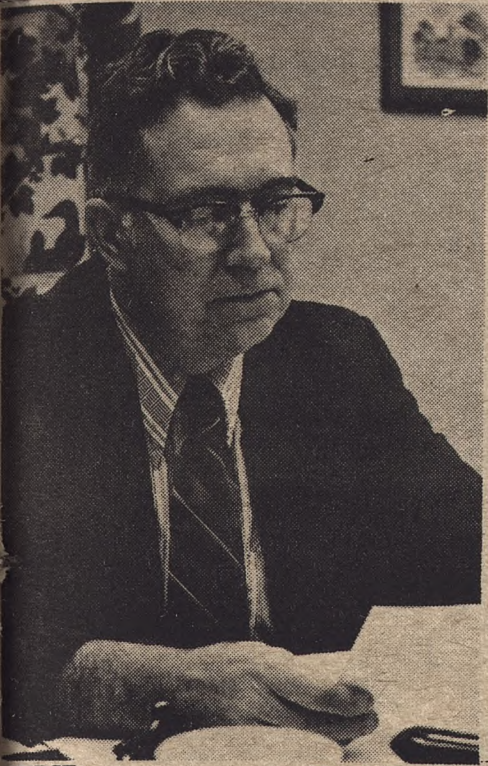


# Academic

(Continued from page 1)



HURST

Photo by Thompson

to reschedule final exam conflicts. Currently, students must have all exam conflicts resolved by David Fleming in the scheduling office.

Coakley stated that there is a need for changes to go through Fleming: "David has the total picture. He knows what other times things can be done."

Student are not hurt by the current arrangement, according to Coakley. "I think he bends over backwards to help the students with legitimate requests," he added.

Vice President for Academic Affairs Victor Hurst also saw no reason to alter the present procedure. "I think they already do that in an offhand way," he stated. "To do it the other way would probably create some kind of chaos."

Baxley said the proposal is a step toward a complete restructuring of the exam schedule procedure. "What I'd like to see," he commented, "are students scheduling their own exams."

Another objective of the resolution is to institute Labor Day as an official holiday for Clemson.

Coakley said that Clemson's schedule is guided by the number of days per semester that classes must be held as stated by the state department of education.

When asked about the resolution's statement that Labor Day is a holiday for other state colleges and universities, Coakley replied, "Clemson University is an entity in and of itself. We're independent from the other institutions."

He added that Labor Day is not one of the four official holidays sanctioned for Clemson.

"No quizzes, tests, or examinations shall be administered during the week prior to the Homecoming weekend," is the fifth item in the resolution.

"This is the most festive time of the year," stated Baxley in support of the proposal. "Homecoming is an integral part of Clemson." He felt that the request does not set an improper balance of priorities between academics and extra-curricular activities.

Coakley responded that he was "sympathetic" to the proposal, but that "the professor sets where he wants to be in the course." The recommendation would not only cause scheduling problems for professors, added Coakley, but would infringe on the professors' independence.

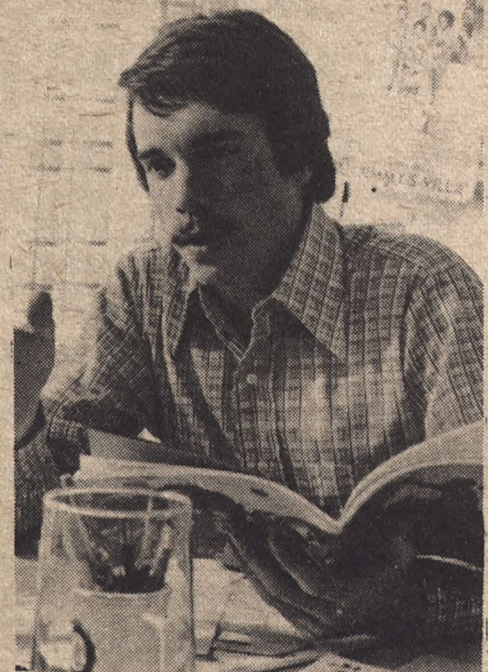
*"No quizzes, tests, or examinations shall be administered during the week prior to the Homecoming Weekend."*

—Senate resolution

Other aims of the resolution are to: suspend classes at noon on the Wednesday before Thanksgiving; abolish the attendance policy; compensate students with additional credit hours for out-of-class field trips, lectures, etc.; and administer the Law School Admission Test at Clemson.

Efforts will also be made to: prevent teachers from administering tests or giving written assignments when textbooks are not available in the bookstore, abolish evening final exams, and notify students when professors have switched sections from those which were announced during pre-registration.

Baxley said that the resolution had already been discussed before the senate's academic affairs committee. "We feel it will be fairly well-received (in the senate)," he stated, "and we'll be bringing it to the administration soon."



BAXLEY

Photo by Stieglitz

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## HEW

(Continued from page 1)

tial students, and that he spends 11 weeks a year visiting high schools.

Swinger pointed out that black students had increased in number from 120 to 153 over the last year — a 25 per cent increase.

Still, Swinger noted, the Clemson student population was artificially white in comparison with the population of South Carolina as a whole (about 25 per cent black.)

Attracting qualified black faculty has also been a problem for Clemson, particularly since there is keen competition for such persons by the nation's colleges, according to Affirmative Action Officer Col. Elmer Tyndall.

"I think our effort would be acceptable to the federal government," he said.

Tyndall said the concept of quotas has been controversial. "Everybody across the country would like to take care of the problem through setting goals instead of rigid quotas."

Why can't Clemson attract blacks?

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Administrators have suggested many reasons.

The location, predominantly white upstate South Carolina, excludes many blacks because of distance, McDevitt stated. Lowstate South Carolina has a much higher percentage of blacks.

Other negative factors for Clemson in attracting blacks include its small-town location and "the history of South Carolina," a state segregated for most of the 20th century, according to admissions officer Swinger.

Admissions director Mattox noted that economics also plays a role: "Our black population is about one generation behind the white population in economic terms."

"The law has been changed since 1962," Mattox noted. "But until you can change a person's mind and his attitudes, you haven't done very much."



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# the tiger

## Academic package needs pruning

Last Monday night, the student senate passed a conglomerate academic reorganization bill designed to further the "academic mission" of Clemson University.

On its face, the bill seems like an excellent proposal. There are quite a number of ideas which are worth of consideration and implementation. But, there are also several ideas which will do nothing except push our academic reputation backwards, one of which is the proposal to reinstate the "forgivable F."

After many years of discussion, the "forgivable F" policy has finally been eliminated. This policy, unique to Clemson, has allowed first-semester freshmen to receive a failing grade without having the grade averaged into their grade-point ratio.

Granted, freshmen may have some trouble in adjusting to college life, and a portion of that trouble may be in the area of studying. But Clemson's extended drop period more than compensates for any academic problems encountered in difficult courses. If a student finds he can not complete a course, he should drop it—not fail it.

We fully believe in the right of every student who is willing to work to get a college degree. But this does not mean Clemson University should assign itself the task of keeping a poor student in classes. Prolonging the agony of a poor student is unfair both to him and to other students.

In other words, let's make room for other students if those already here are not prepared to put forth enough effort to make at least passing grades. The "forgivable F" policy is best left buried.

The proposal to declare Homecoming week a "dead" week as far as quizzes go seems totally unreasonable. Many, many students participate in extracurricular activities every week of the semester, while surviving quizzes.

The idea that graduating seniors should be allowed to exempt exams with a "B" average is another mistake. It would be totally unfair to ask a sophomore to study 12 to 20 hours for an exam when he has an "A" average, while letting the senior exempt with a "B." Exemptions should be done on the basis of achievement in the course, not on the basis of years of schooling.

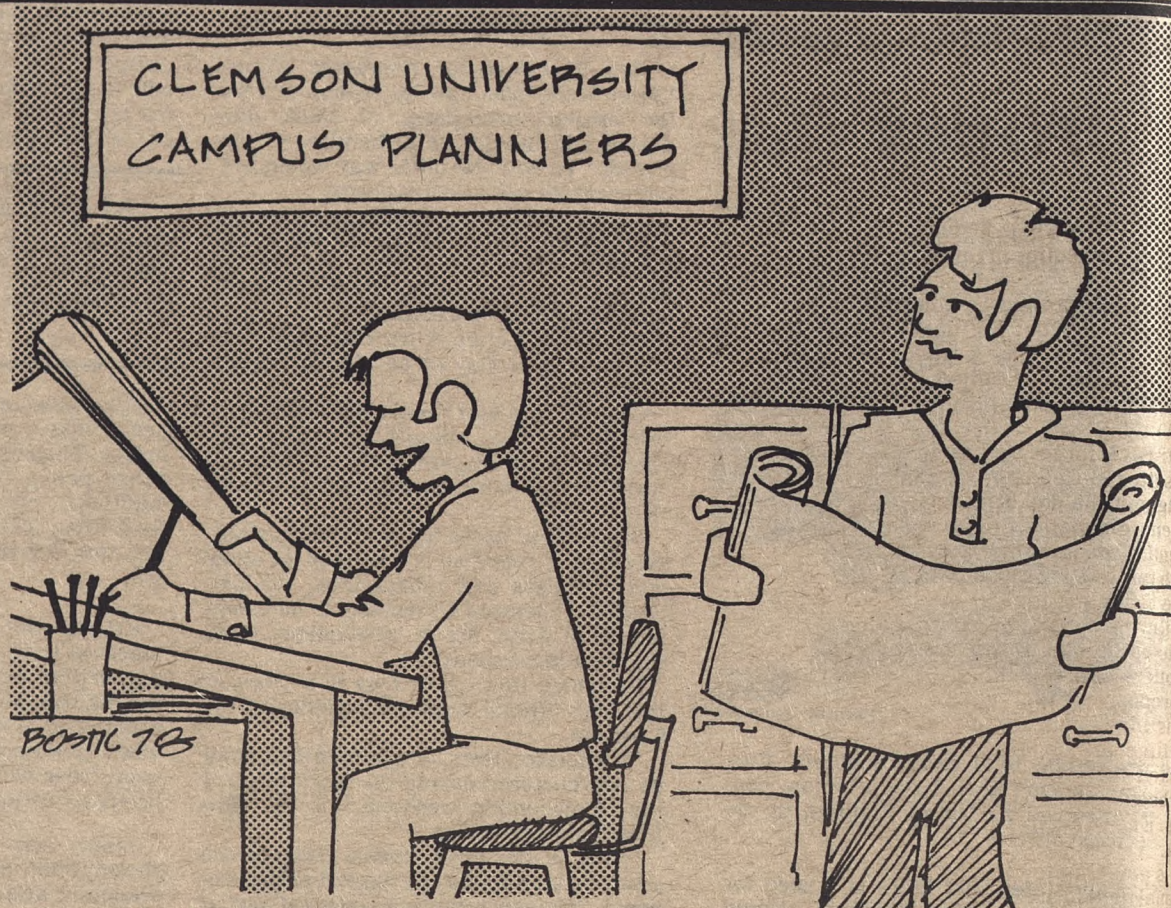
Aside from three key mistakes, the academic package contains some very good ideas.

One of the best is the proposal to abolish class attendance policies. Students should be graded on their work and progress made in a course, not on the number of times they attend lectures. Clemson has—for too long—tried to act as students' mothers. Give us what you want us to learn and let us make our decisions. Part of our college education should be learning to take care of ourselves. If a professor has an interesting class and offers good material, students will come. If not, the fault doesn't lie with the students.

The suggestion that the last week of classes be mandated as "exam- and test-free" is past due. There is just too much emphasis put on exams for students to be bothered by other tests the week before exams.

The suggestion that examination schedules be made more flexible is excellent and timely. Faculty members should have the authority to re-schedule exams at their convenience, in order to help students.

Although the student senate bill does have flaws, it should not be disregarded by the administration. Passage of key parts of the bill is essential to our continued academic growth. But removal of the unnecessary proposals is just as important. This time, we can have the good without the bad.



Hey! I've solved the parking problem! We make Johnstone into a multi-level parking garage!

## Letters policy

The Tiger welcomes letters from its readers on all subjects. Please type letters, triple-spaced on a 65-space line.

All letters, 200 words or shorter, will be published after unquestionably routine editing (for grammatical and spelling errors), except in those cases in which a letter is blatantly obscene or potentially libelous.

In these special cases, if a majority vote of the Editorial Board of the Tiger deems it necessary, a letter will be withheld in part or in full.

Authors of letters should sign their letters, with their address and phone number included. In cases in which a letter has been composed by more than one person, all authors should be listed, with their addresses and phone numbers.

What's Your Viewpoint?

Write to

the tiger

## footnotes

"The white male runs this country, this school, and everything else." — Melanie Willingham, Black History Week Panel discussion.

"There are just not enough (blacks) to go around. We try." — F.B. Brown, associate dean of the graduate school.

"For the first time since I've been up here, I don't know what to say." — Andy Berly, in his farewell address as senate president.

"I'd like to note that the clock (in the senate chamber) is working for the first time this year." — Todd Lankford, student senate president.

## the tiger

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Published weekly since 1907 by the students of Clemson University. The Tiger is the oldest college newspaper in South Carolina. Not published during examination periods nor summer sessions.

Second class postage paid at the U.S. Post Office, Clemson, S.C., 29631. Mailing address is Box 2097, University Station, Clemson, S.C. 29632.  
Telephone: Business (803) 656-2167  
New Offices (803) 656-2150

Subscription rate is \$6 per year; \$3.50 per semester.

Local advertising rates available on request.  
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## viewpoint

Senate tables ERA,  
proves itself againBy Thom Taylor  
Editor in Chief

The South Carolina Senate proved once again this week that it is capable of ignoring legislation vitally needed within the state: it effectively killed a ratification proposal for the Equal Rights Amendment (ERA).

Anti-ERA forces, led by Sen. L. Marion Pressette, D-Calhoun, remained passive throughout the day Tuesday as the rest of the senate debated the proposal. Then, at the end of debate, he simply made a motion to table it. It passed 23-18.

The tabling of the bill Tuesday, combined with the refusal of the senate Wednesday to call up the ratification proposal for public vote in November, effectively kills the proposal for this year.

It is important to note that this not the first time our legislators in Columbia have rejected the proposal. In recent years, it has been before them on several occasions. Each vote has ended in death for the ERA.

It is amazing to me how many normally rational people are driven to such stages of idiocy by the mere proposal of guaranteed equality under the law for all people. A few quotes from the State House on Tuesday illustrate my point:

"We don't believe in it," said one onlooker. "We want to keep our rights as women."

"If they've got good Christian husbands, they don't need any other rights," said another.

And apparently these people are able to convince their representatives that backwards thinking is appropriate, because the legislators continue to vote ERA down.

But if you look at comments from some of the senators, you may be able to see why they can take such advice to heart: many are on the same intellectual level as the women by-standers demanding to keep their "womanly" rights.

Senator Horace Smith, D-Spartanburg, commented: "I've tried my dead-level best to be at least intellectually honest, and I firmly believe ERA is not the answer." Unfortunately, Senator Smith is probably right—not about ERA, but about trying his best intellectually. It often appears that many of our legislators are trying their "best" intellectually, all the while doing what is wrong for South Carolina.

This situation is somewhat analogous to asking my grandfather to run a marathon. He couldn't do it, and I wouldn't expect him to. Yet we continue to send inept peo-



ple to Columbia to make decisions which will affect the direction South Carolina will be heading in for years to come.

And if some of these senators aren't replaced soon, South Carolina may find itself in the awkward position of watching

the rest of the country advance while it sits still.

As the Queen said to Alice: "Here, dear, you have to keep pace, just to stay in place." It's time South Carolina started keeping pace.



## letters

Students  
praised

Last week our students scored an outstanding accomplishment outside the classroom and athletic arena. They set themselves a goal of raising \$500 for the Bernie Caffrey Fund to pay for (psychology department head) Caffrey's next two trips to Houston in his fight against cancer.

For their thoughts, efforts and accomplishments, I owe them a double dose of gratitude.

First, as coordinator of the Caffrey Fund, the money you raised is appreciated and needed. A heartfelt thanks goes to each of you from the Caffrey family and me. Your concern will go beyond the money you have raised.

Second, as a faculty member, I owe all of you a sincere thanks for believing me of one of my lingering doubts. I have questioned myself about the usefulness of teaching material and measuring performance on a short-term basis. I have wondered about what will happen to some of this knowledge after graduation.

In order to answer my own questioning, I frequently try to take a look at—and to participate in life outside—the classroom. And the question remained. What is the use of teaching information alone, without imbuing this knowledge into individuals with character, and a sense of citizenship and humanitarianism?

The \$800 delivered was an

achievement beyond a standard of excellence. I know you are all there if you need to be called upon again.

I don't have that question after last week. Thanks.

Len Berger  
Asst. prof. of psychology

Reactors  
defended

Regardless of whether one is pro- or anti-nuclear, all will agree that the issue of nuclear reactors is a very important one. Since the only information the general public receives is via reporting media such as newspapers, it is important that reporters are extremely careful to report "accurate" facts. They should also be careful to properly inform the public of the credentials of a quoted "authority" when this person is airing opinions.

Let me say that while the article "Nuclear Power: fuel for the future?" was not truly "yellow journalism," it certainly was faded. Reporters must get their facts correct (remember that readers frequently accept printed material as automatically accurate). There is no breeder reactor in Barnwell County, S.C. Even if there were, its purpose would not be to reprocess spent fuel. A nuclear fuel reprocessing facility (such as the one in Barnwell) performs this important task.

Credentials of persons quoted are very important because they

help give perspective to the potential credibility of the person and to his (her) opinions. If Mrs. Albert Holt were a professor in nuclear or environmental engineering, then we would have good reason to trust her opinions. What you have implied by saying that she is the wife of a Clemson University professor is that she is "in the know."

However, when we look at the facts, we find that she is the wife of an English professor. You have used "yellow journalistic" techniques to imply that she has some expertise in the field she is giving opinions in. This is simply not so.

You allow her to make a number of either incorrect, totally unfounded or unrelated statements, without attempting to correct the situation in another part of the article. I will give only one example. She states, "Reprocessing will then create more waste. This (reprocessing) will give us an inexhaustible fuel supply, but it will be very dangerous." You as journalists should check opinions before allowing them to be published. The fact is that reprocessing will not create more nuclear waste, nor will it give us an inexhaustible fuel supply.

Inaccurate and incomplete reporting is fine in a tabloid that no one really takes seriously. However, the Tiger is not such a tabloid and this inaccuracy must not be allowed when the issue is as vitally important as that of nuclear power.

Dana R. Clarke  
Graduate student—Bio-E.

Forum seen  
as one-sided

It would not surprise anyone to hear a group of industry economists wax vehement against government regulations. You would expect them to present one side only.

But from university professors, you would expect more, two sides, particularly when the issue is as complex as government regulation of industry. On this campus you would be disappointed. Thursday, a week ago, seven members of the university's economics department convened in Daniel Auditorium. "We have come not to praise regulation," Prof. Walt Schubert is quoted as saying, "but to bury it."

Those who attended the seminar learned that government regulation has scourged the business baron and the common citizen alike. The Food and Drug Administration, for example, has fueled skyrocketing drug prices. Why? The FDA, in the wake of the Thalidomide tragedy, demanded more rigorous safety testing of drugs before marketing. And the Nuclear Regulatory Commission (NRC) is stifling large power com-

panies. Seems the NRC wants to inspect the plants before letting them split atoms.

The price of such regulation was high, the economists argued. But was it too high? Too much to pay for babies free of monstrous deformities and safe nuclear generators? Consider for a moment, what we would have to lose, if Duke's Oconee Nuclear Station, the largest private "nuke" in the world "went critical."

When arguing business is its own best regulator, keep in mind that Thalidomide was a business product, a sleeping pill.

Maybe business could better regulate itself, but try selling that to the families of workers at Allied General's kepone plant in Hopewell, Va. Or talk to the survivors of Buffalo Creek, W.Va., about that company's concern for employee safety. For that matter, consult the textile industry so prevalent in our own state. What steps did it take to control brown lung-causing cotton dust before the government demanded cleaner factory air?

Government regulations are a burden, and expensive, and many times over-focused on the trivial, but to abandon them to the expedience of free enterprise is to forget painful lessons of the past.

John McManus  
Instructor in English





Photo by Hatfield

### Mine survived!

Freshman architecture students recently competed in a design problem called "The General Electric Fruit Punch." The students were required to design a vessel and recovery system using no more than three materials.

Furthermore, the vessels were required to protect a 10 fluid-ounce juice carton and a light bulb.

The designs were then thrown off a first-floor balcony at a fire hydrant. Partners waiting below retrieved the designs. To show that the designs' contents were undamaged, the partners lit the bulbs and drank the juice.

Judging was based on design quality and craftsmanship, transport and recovery, accuracy, and safe and intact delivery.



Photo by Hatfield



Photo by Hatfield

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## Placement Office Schedule

The following companies will be interviewing eligible students on the dates indicated. For more information on recruiting procedures come to the Placement Office or call 656-2152.

Date	Company	Interested In:
Mon., Feb. 20	Reliance Electric Powell Manufacturing  Southern Bell Cleveland Memorial Hospital Systems Service	BS/ECE, ME, ET for Maint. & Sales Engr. BS/AgE, ME for Design Engr.; BS/Ag Mech; Bus for Service & Sales BS/AM, FM, IM; BS & MS/CE, EE, ME & ET AA & BS in Nursing BS/ME for Applications Engr. of Instrumenta- tion & technical sales positions
Tue., Feb. 21	Burlington  Union Camp West Point Pepperell Roses Stores  Southern Bell	BS/EE, ME for Plant Engr.; BS/IM, TC, TS, TT for Manufacturing Management BS/ChE, ME (Process Engineering & Prjcd. Engr.) BS/IM, TC, TS, TT for Production Mgt. Trainee BS/AM or Retail Related Courses for Manage- ment Trainees See Monday
Wed., Feb. 22	Torrington J.C. Penney R.J. Reynolds McDonnell Douglas  Oxford Industries	BS/ME for Hands On Entry Level Engineers BS/AM, Econ. for Retail Merchandise Mgt. Trainee BS/ChE, ME, Chem., Micro & MS/ChE BS, MS/ChE, EE, ME for Engr. Design, R & D BS, MS/CE, EE, ME for Analysis & Testing of Ordinance BS/AM, IM, Math (CpSc), ET
Thu., Feb. 23	Russell Corporation  K-MART Corporation John D. Hollingsworth on Wheels Daniel International Social Security Martin-Marietta Company Gilbane Building Company	BS/AM, IM, TC, TS & TT, CE, EE, ME, ET, M.A.T. Engr. BA/Liberal Arts BS, MS/AgEngr., ME for "hands on" Dsgn. & Dvlpmnt. BS/CE, ME BS/Math for position as Actuary BS, MS/ECE, ME for Design & Development BS, MS/Bldg Constr. Arch, AgEn, CE, ECE, ME, Engr. Anal., ET, Syst. Engr.
Fri., Feb. 24	Univ. Ga. Co-op Exten. Service Martin-Marietta Thomasville Furniture Royal Globe Insurance trw	See February 23 BS/IM, ET for Production Planning BS/AM (OSHA) BS/CE, ECE



## Mortar board announces Miss Clemson Pageant

The Miss Clemson University Pageant will be staged Tuesday, Feb. 14, in Tillman Auditorium at 7:30 p.m. Thirty-eight girls will participate.

"It's going to be different from the pageants in the past. For one thing, it's not going to last three hours. We plan to organize and make it run smoothly," said Alan Wilkes, president of Mortar Board, sponsor of the pageant.

Rausa Lee, last year's Miss Clemson, and Douglas Bull will emcee the event. Judges are Mr. and Mrs. Ray Griffin and Mrs. C.E. Littlejohn.

For the first time the girls this year will introduce themselves. They will be competing in casual

wear and evening gown competition.

The Clemson Dancers will present the first entertainment, with a solo dance by Betsy Whitlock. Allison Hancock and Becky Suggs will sing, also.

"We think we've got really good representation," Wilkes said. "The girls will be judged, not only on poise, personality and appearance, but also on scholastic abilities and university and civic activities."

Wilkes said the tapping for Mortar Board will also take place at the pageant. Thirty-two outstanding rising seniors will be inducted into the honor society.

"Admission is free, and the public is invited," said Wilkes.

## Jaycees sponsor dinner, complete drive

Charley Pell will be the guest speaker Feb. 16 at a dinner sponsored by the Clemson Area Jaycees.

The purpose of the dinner is to interest young men of the area in the opportunities which the Jaycees offer. The dinner will wind up an intensive membership drive by the Clemson Area Jaycees.

Art Hartzog, Clemson chapter president, said that the Jaycees hope to reach the people in Central and Pendleton because these places do not have chapters. He said that university students and staff are also encouraged to participate.

The primary community service project of the Clemson Area Jaycees is the development of a park in downtown Clemson. They also assist with programs at Camp Hope during the summer months,

and are now planning a spring fund-raising activity.

Hartzog said that anyone is invited to the dinner, whether or not he intends to join the Jaycees. Anyone desiring to attend the dinner should call Hartzog at 654-2461, or 654-1995; James Chu, internal vice-president, at 654-4853; or Ken Head, secretary, at 654-6041.

The dinner will be at the Clemson Holiday Inn, 7 p.m., Thursday, Feb. 16.

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## Housing office takes requests

The housing office will begin accepting applications for room reservations for the 1978-79 school year on March 1. An advance payment of \$75 is required when the applications are submitted.

Bills or notices concerning this payment are not mailed to parents or guardians. Complete information including schedules for submitting applications will be distributed within the next few weeks.

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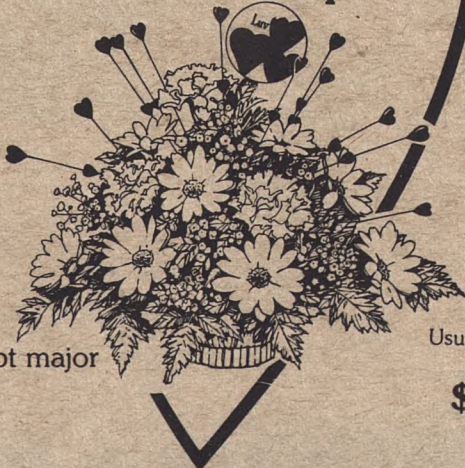
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## Annual staff meets final deadline

By Leslie McMahon  
News Writer

The final major deadline for *Taps*, Clemson's yearbook, is Friday, Feb. 10. According to Michael Slaughter, editor, the book will be distributed April 17-21 or the following week.

After the deadline has been met, approximately 90 per cent of the book will have been completed by the staff and sent to the publisher. The basketball and closing section will be sent in later.

According to Slaughter, sales of this year's book have exceeded those of recent years. "Our sales will be at least 3,800," said Slaughter. The final deadline for purchasing an annual was Jan. 16. According to Slaughter, "The chances for purchasing a copy now are slim."

Approximately 300 books will be available for sales after the freshmen receive their books. "The percentage of Clemson students buying the yearbook is well above the national average, with 40 per cent sales at Clemson and 20 per cent nationwide," he continued.

"This year's *Taps* will be oriented more towards the students. We're expecting a



TAPS EDITOR, Michael Slaughter, discusses distribution, scheduled for April 17-21, with his publisher. The yearbook staff will complete its final deadline Friday.

Photo by Hatfield

100 per cent improvement over last year's edition," said Slaughter. "We have superior copy, layout and photography. Also, instead of employing a verbal theme, we're tying the book together with photo-essays." A photo-essay is a message or story without written copy.

The book will also incorporate more artwork and will include special topics such as President R. C. Edwards, the amphitheater, backpacking and skiing, and the American Institute of Architecture Convention in Charleston which Clemson hosted.

## Journalism award offered

A \$50 cash award will be presented this year to the Clemson undergraduate who writes the best feature to appear in *The Tiger* on campus, community, or state history.

The award was instituted in 1965 by Clemson alumnus Henry T. Malone and was originally called the Henry T. Malone-Gamma Alpha Mu Award. In 1968, upon the death of Prof. John D. Lane, longtime faculty adviser of *The Tiger*, Dr. Malone asked that the award be known as the John D. Lane-Gamma Alpha Mu Award.

Though the award has not been made in recent years, it will be presented this year in memory of Malone, who died Oct. 5, 1977.

To be eligible for consideration, features must be original compositions involving research; editorial columns will not be eligible. Any Clemson undergraduate may submit material to *The Tiger* for consideration for publication. The editor of *The Tiger* will make the final decision concerning suitability of material submitted for publication.

Features will be judged by a representative of each of the following departments at Clemson: public relations, history and English.

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# Carter proposes financial aid packet for students

By Jim Denning  
Asst. News Editor

Legislation which would make more financial aid available to middle-income college students was proposed Wednesday by President Carter.

Included in the package are proposals to make both government grants and loans more accessible to more students by changing eligibility standards. Present

assistance, costing around \$4 billion per year, would see an increase of approximately \$1 billion per year. Carter's original budget proposal for this area had been \$700,000.

Current regulations make grants of up to \$1600 a year, available to families with income up to \$15,000 a year. The Carter proposal would increase both the maximum grant amount and raise the income level designated for eligibility.

Under the president's proposal the maximum value of grants would be boosted to \$1800 per year. At the same time, permissible income level would see an increase of \$10,000 to a new limit of \$25,000 a year in earnings.

Student loan specifications would also be liberalized under the plan. Through the loan program, the government guarantees and pays the interest on loans of up to \$7500 for college expenses. The present ceiling

limits family income to \$25,000 a year. The plan would increase this level to \$45,000 a year.

According to White House press secretary Jody Powell, rapidly increasing college costs prompted the proposal. He explained that escalating costs now even threaten the ability of middle-income families to send their children to college. He stated that between 1967 and 1975, college costs rose 71 per cent.

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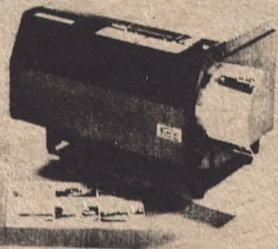
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# CPR short course offered by nursing department

By Kim Fennell  
Features Writer

Would you know what to do if someone around you suffered cardiac or respiratory arrest following electric shock, drowning, or smoke inhalation?

CPR, or cardiopulmonary resuscitation, can train you to effectively administer basic life support to the victim. CPR is a technique which keeps respiration and blood circulation going in the arrest victim.

Each year more than 600,000 people die from heart attacks and heart disease. The American Heart Association has made CPR part of a national effort to improve cardiac care in America.

Cyndy Belcher and Lori Vaughn, two faculty members in the college of nursing, volunteered to teach CPR through short courses offered by the Student Union.

*"Our goal at Clemson is to see that everyone learns how to properly administer CPR."*

—Belcher

Belcher explained how CPR is administered to the victim. "It works on the principal of the ABC's. A is the airway. The victim must have an open airway. If he does not, whatever is obstructing his airway must be removed. Sometimes the Heimlich Maneuver, which forces air out of the lungs, must be used in the case of a choking person.

"B is breathing, or pulmonary, resuscitation. This is done by breathing in the victim's mouth.



Students practice CPR techniques in a short course offered by the nursery department

Photo by Chamblee

"C is the external cardiac massage. By massaging or pumping the victim's sternum or breastbone, pressure allows the blood to circulate."

Belcher added, "One does not always administer all three methods to a victim. If his heart has stopped — but not his respiration — then one uses the cardiac massage. If his respiration has stopped, but not his heart, then one administers pulmonary resuscitation."

Belcher said that the heart can beat up to five minutes without oxygen, but brain

damage begins to set in after four minutes without oxygen. After five minutes the brain is clinically dead. "A case like that of Karen Ann Quinlan can result when this occurs," said Belcher.

It depends on the individual victim as to how long CPR takes for him to come around from his attack. "Once CPR is begun by the rescuer, it should never stop unless the rescuer becomes physically exhausted or a physician tells him to stop," Belcher added.

"We use mannequins to teach CPR. We

never use an unarrested person because CPR could break his breastbone or rupture his lungs," Belcher said.

The CPR course is a four-hour course taught in two, two-hour sessions for \$1. The student is not certified at the end of the course; however, he is thoroughly trained. In order to become certified one must take the eight-hour course taught by the American Heart Association.

Belcher said, "Our course is not different qualitatively from the heart association's, but an eight-hour course would not reach as many people as the four-hour course. Also, there are not enough people in this area to be able to certify everyone interested."

Persons desiring to take the course to become certified should contact Elizabeth McAddams at 882-9050 for further information.

"Our goal at Clemson is to see that everyone learns how to properly administer CPR," said Belcher.

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# Hypothermia research begun

By Bobby McLeod  
News Writer

The United States Coast Guard has awarded a \$228,000 grant to Clemson for the study of hypothermia, a condition of extremely low body temperature.

Cold water is particularly lethal because it quickly lowers a person's body temperature to intolerable levels. In this country, nearly a thousand people annually drown in cold water accidents. Hypothermia may also occur from exposure to cold air, but is much more dangerous in water. This often fatal condition happens in addition to cold-induced injuries such as frostbite. The minimum body core temperature for survival is about 82 degrees.

Dr. Mike Harnett, coordinator of the program, described it as "the most comprehensive study of the problem to date. Earlier studies have concentrated on one or two specific areas." A team of five University faculty members will shortly initiate the 20 month study. Clemson won the grant over four other universities and a professional medical research group in Philadelphia.

Harnett explained that this research is vital to people in three major areas: the Coast Guard and related rescue personnel, merchant seamen, and pleasure boaters. He pointed out that the U.S. does a great deal of shipping in the frigid North Atlantic as well as in the Great Lakes. With the advent of longer shipping season, especially in the Lakes trade, adequate protection must be developed to meet government safety regulations.

A primary area of concern is the testing of insulated survival suits to be worn in

cold water emergencies. Emphasizing the detail which the study will involve, Harnett stated, "We'll have three basic types of suits to be tested. We'll also test different styles of survival suits for various uses. Merchant seamen, for example, usually have adequate time to don special clothing if a ship is going down. Pilots and rescue workers demand wearable clothing that allows them to do their job, but still protect them from sudden immersion in cold water."

The scope of the program will range from mathematical modeling of body heat loss, headed by systems engineer Dr. E.R. Baker, to guidelines for public education on the problem, coordinated by associate professor Page Crouch of the Industrial Education department. Harnett explained that previous research indicates "the distribution and transport of body heat by the cardiovascular system is of great importance in understanding the problem." Measuring this information in a series of tests with volunteers will be biomedical engineers Ed O'Brien and Fred R. Sias.

Harnett pointed out some things to do should you find yourself swimming in February unexpectedly. Use of infrared photography has shown that certain areas of the vital central body, or core, lose heat more quickly than others, notably the sides, neck, and groin. In a spill from a boat into cold water, curl into a fetal position with your hands protecting your throat and your upper arms insulating your sides. Move around as little as possible to conserve energy. The life preservers required on all boats also add to the protection. A group of people should lock arms, facing each other, huddling as closely together as possible to conserve body heat.

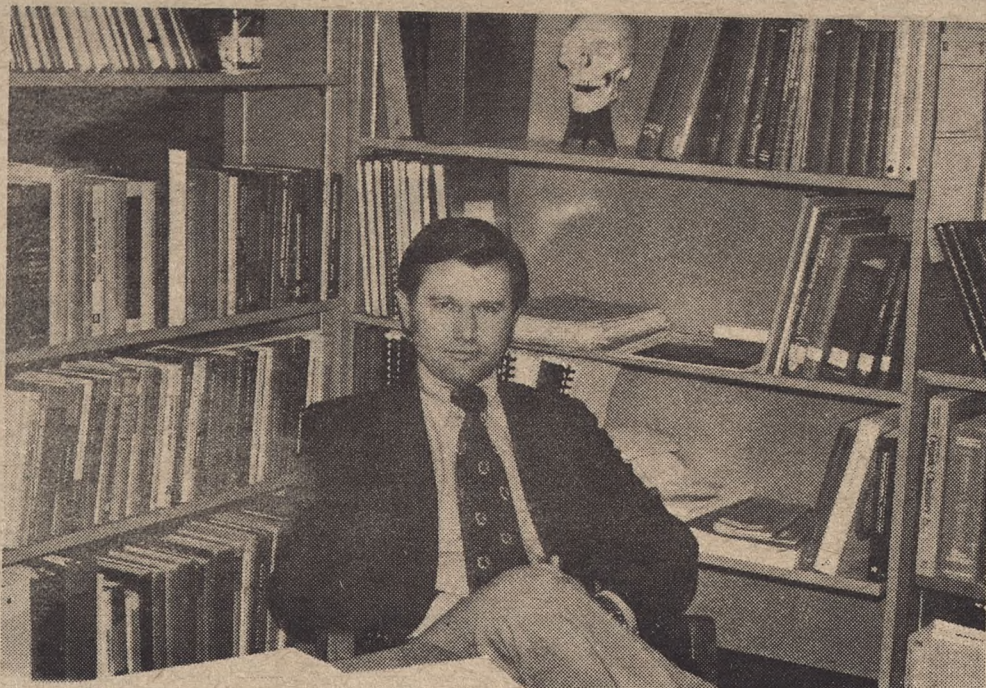


Photo by Brabham

DR. MIKE HARNETT is co-ordinating the hypothermia program. The United States Coast Guard has awarded a \$228,000 grant to Clemson for this study.

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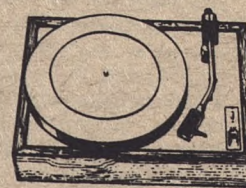


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# Counting of tigers helps extinction problem

By Susan Keasler  
Features Writer

Clemson Tiger fans think of orange jerseys and championships at the mention of their beloved mascot, but real tiger fans remember the once-grave possibilities of species extinction.

Tigers are native inhabitants of Asian jungles, rain forests, and mountains. At the turn of the century, more than 40,000 of the great striped cats roamed parts of the continent. Seventy years later, the tiger population had dropped to below 1,900, and warnings sounded of their coming extinction.

Although several tigers still wander through northern India, many factors earlier threatened the noble creatures' existence. It is estimated that 400-500 tigers were shot or trapped each year during the 1960's. "They were hunted for sport, fur, skins, and additional purposes," said Alan Shoemaker of the Riverbanks Zoological Park in Columbia. At one time tiger skins were valued at around \$10,000 apiece.

According to Shoemaker, much of India has been cleared, resulting in excessive habitat destruction. Clearing occurs in most large tracts of forests simply because a country must provide for its people.

*"They (tigers) basically are cleaned out because they can't reproduce as fast as they are dying."* — Dr. Tim Fendley

"But," said Dr. Tim Fendley, a Clemson economic zoologist, "tigers are territorial animals. You can't have but so many of them in there." Habitat destruction has caused the tigers' food sources to be in short supply.

Another fairly new menace to the tiger population arises from the indiscriminate use of pesticides. Shoemaker related that numerous trappers poisoned bait in order to keep from fighting the beasts, or to prevent them from damaging their skins trying to escape from metal grippers.

"They (tigers) basically are cleaned out because they can't reproduce as fast as they are dying," explained Shoemaker.

"The Vietnam War did a lot to save tigers because everybody was fighting...nobody was hunting."

Cases of a tiger's killing stock or men are usually due either to the creature's being deprived of its natural prey or to wounds caused by trapping or shooting. Deprivations of the few led the West Bengal Forestry Department, in 1967, to classify all tigers as vermin, and issue free licenses in support of an extinction policy.

Concern for the cat's plight has become apparent only in the last decade, when several governments and organizations enacted conservation campaigns to preserve the tiger population. In 1970 India and Pakistan took measures strictly to protect the tiger. India made the tiger its national emblem the following year. The Indian government launched "Project Tiger" four years ago, aided by the World Wildlife Fund with a similar effort called "Operation Tiger."

Perhaps the most significant and difficult portion of "Project Tiger" was the relocation of rural villages out of the tiger's domain. The Indian population showed little resistance, for the effort meant improved housing, schools, and general facilities for individuals. The project supplied movers with funds and tractors to re-establish farms.

The Indian government banned trapping, shooting, and exporting tiger skins as a second act of the project. The ban is

strictly enforced.

"Project Tiger" allowed for the development of special sanctuaries to save the species from further depletion. Guards equipped with walkie-talkies patrol the areas, keeping each other informed of possible poachers, and summoning police assistance when necessary.

*"You can stabilize the population, but you can't go back to the nineteenth century."* — Allan Shoemaker

Shoemaker contends that "Project Tiger" has "been a successful program, though they need finances in India." The main goal of the World Wildlife Fund's "Operation Tiger" is to raise at least \$1 million for contributions to the program designed to preserve the beasts.

A census taken in 1976 indicated that the tiger population is definitely on the increase, though the number of prowlers is still estimated below 2,000. Five states claimed no tigers at all within their bounds.

"You can set aside preserves up to a point," explained Shoemaker. "You can stabilize the population, but you just can't go back to the nineteenth century." However, some speculators anticipate a tiger overpopulation in the future.

But the tiger population is hard to count, for the nocturnal visitors often wander

great distances. There is also a dispute concerning the best method for counting the animals.

One noted wildlife expert who visited India last year is Dr. S. Dillon Ripley of Smithsonian Institution in Washington, D.C. He believes that "collaring" animals is the most accurate means of recording the population.

Ripley is challenged by K.S. Sankharia, former director of "Project Tiger," who maintains that collaring tigers is good only for recording their movements. Sankharia refers to his counting preference as "pugmark count." It includes sighting tigers as well as counting their kills of prey and even scratch marks on trees.

"You cannot collar all the tigers of India," Sankharia says, "and unless you collar them you cannot know their number. We have our own time-tested method. It does not depend on one kind of evidence. Rather, we depend on all the evidence we can collect to trace the tiger in the jungle. Since our forces live in forest areas, they know their tigers. So any evidence, however feeble, we collect, collate, and interpret, to know the tiger population."

Fendley agrees with Sankharia. "I don't think it would be feasible to collar animals — not tigers. That means you'd have to go out there and catch them."

Some of the beasts have been caught and survive in zoos throughout the world. The Columbia group of Clemson alumni is responsible for upkeep of a pair of tigers at the Riverbanks facility in Columbia.

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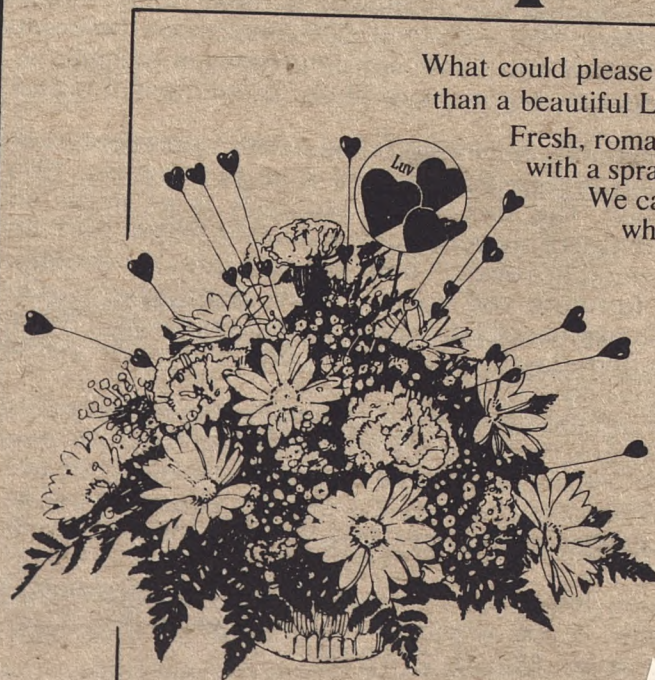
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# Towing in more money



## *Traffic code revision bill partially accepted by cabinet*

A traffic code revision, which was formulated and approved by the student senate last November, has been partially approved by the administration.

The bill, part of a package of legislation introduced by the executive branch of student government, recommended that five specific changes be implemented to the total traffic and parking scheme of Clemson University. The proposed changes included:

1. That ticketing for backing into a parking space be discontinued so long as visibility of decal is not impaired.

2. That the policy of towing cars which are parked on grass and not causing a traffic hazard be discontinued.

3. That the current \$15 fine for no decal be lowered to \$10.

4. That the current \$15 fine for improper display of decal be lowered to \$5.

5. That the policy of issuing up to three tickets per 24-hour period for cars parked in timed zones be changed to a one-ticket per day policy.

After being approved by the student senate, the revision was sent to the university traffic and parking committee for a recommendation to the president's cabinet. The committee consists of 10 members from the faculty and administration, and three representatives from the student body.

According to committee chairman Bill Pace, the first revision, dealing with backing into parking spaces, did not pass due to a split vote. "Those who voted against the change felt that it would cause a hardship for the security department. It would require tremendous effort on the part of the police to get out and look at each car,"

stated Pace.

The second revision, concerning cars parked on grass areas, was found irrelevant by the committee as it was already provided for in the traffic code. According to Pace, "As it stands now, cars are not towed from grass areas unless they present a traffic hazard."

The third revision, pertaining to failure to display a university decal, was not approved. However, the fourth revision concerning improper display of decal was approved.

The policy of issuing up to three tickets per day for cars parked in timed zones was reviewed by the committee and revised. The revised proposal stated that three tickets would still be issued during a 24-hour period, but a maximum charge of \$10 would be assessed. This change was in lieu of the present graduated fine system which could have resulted in an \$18 fine for three tickets.

For example, if a \$2 ticket were issued, the two successive tickets would not be raised to \$4 and \$6, respectively. The fine would remain at \$2 for each ticket received. Even though a compromise was reached on this point, the president's cabinet failed to approve this revision also.

According to Todd Lankford, former traffic and grounds committee chairman for the student senate, "Because the graduated fine system only went into effect last semester, the senate will not take further action concerning the system until we have seen whether or not it has worked." If the system has not reduced the number of tickets, the traffic and grounds committee will consider new legislation concerning lower parking fines.

## Traffic violations

Under the new graduated fine system which went into effect in July, there have been 3686 recorded traffic violations.

This number, according to Jack Weeden, chief of security, is down from last year. He claims, "Last year the number was down from the previous year and the trend seems to be downward this year, also." He believes that the graduated fine system has resulted in less offenders because the repeated offender pays more for his traffic violations.

Students can receive tickets for as many as 11 violations. Many of these tickets come from violations of timed zones.

Most of the time zones are ticketed only until 5 p.m. Most of the employees parking spaces, marked in green, are legal parking places for students after 5 p.m. in the afternoons until 7 a.m. Most of these spaces are also used legally by the students from 5 p.m. on Fridays until 7 a.m. on Mondays.

There are exceptions to the rules regarding student parking, though. One is the employee parking lot behind Schilleter Dining Hall. It is posted restricted for employees only and students are not allowed to park there at any time.

Any of the rules regarding parking are subject to change by Security Chief Weeden. If there is a need such as a special

event that warrants a change, the hours in which the change occurs are usually from 7 p.m. to 5 a.m.

A student who is penalized under the traffic code can pay as much as \$15 for his fine or as little as \$2. The improper use of a handicapped parking space and the failure to display or the improper display of a university decal are \$15 fines. Unauthorized parking in posted restricted zones is a \$5 fine. The first and second penalties for all other offenses are \$2 and \$4 for the third offense. The fine is \$6 for the fourth and \$6 for each subsequent ticket.

Students who are penalized for towable offenses have to pay \$13. Towable offenses include such violations as hazardous parking, parking which blocks drives, and illegal parking during football and basketball games.

During the athletic events, cars which are parked in the R-4 parking lot are supposed to be moved six hours prior to the games. Students who park in that lot move to the rugby field.

Thus far this year a total of 207 cars have been towed away for various offenses. For athletic events, as many as 37 cars have been towed. According to Chief Weeden, no cars were towed for the Stetson game last Saturday, but 26 cars were towed for the Furman game.

Stories by Tisha Barnhill, News Editor, Lynn McCracken



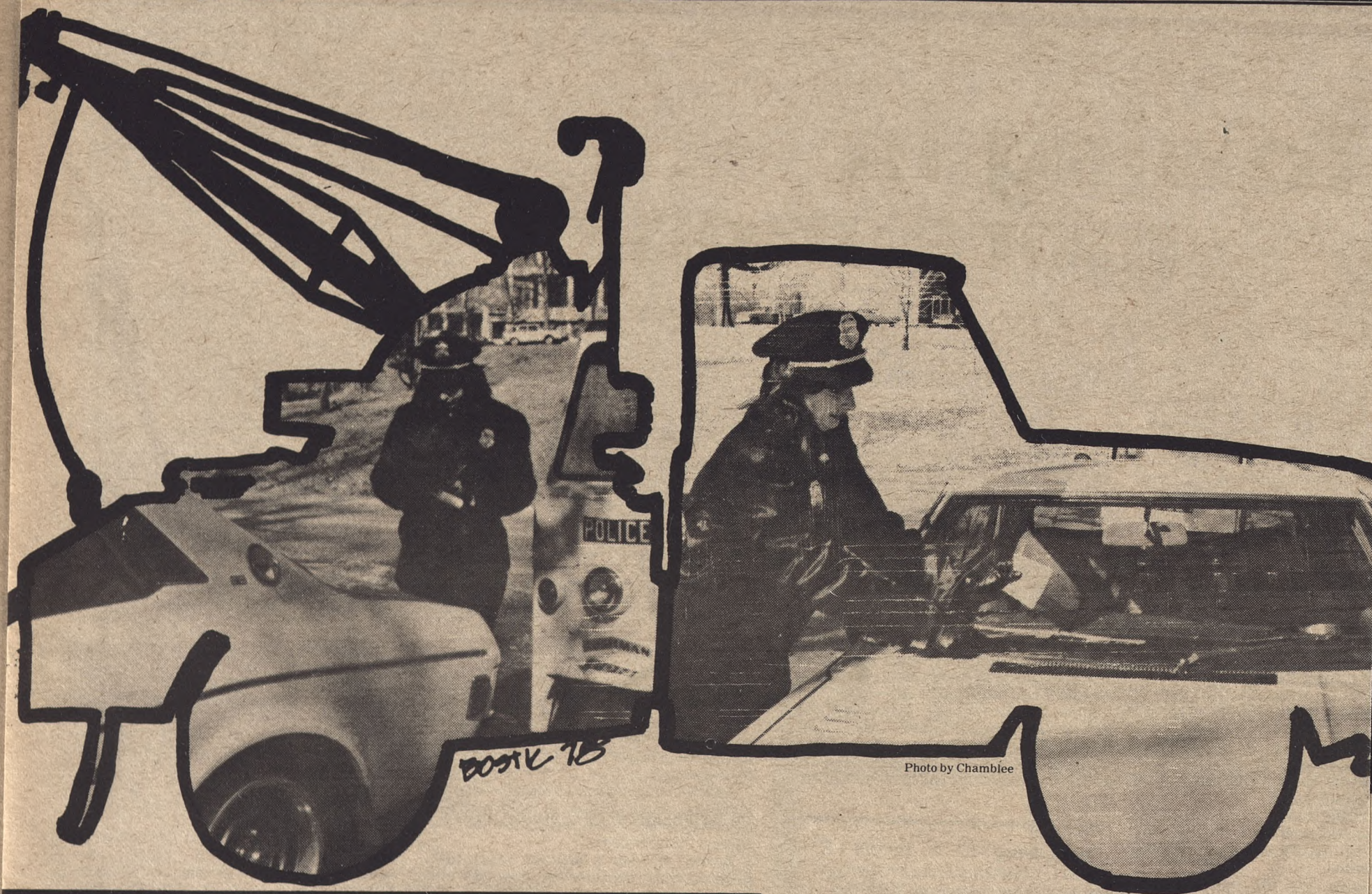


Photo by Chamblée

## s decrease yearly

Chief Weeden says, "When cars are towed, they are taken to a lumber yard on Old Stadium Road and students can pick them up there. The \$13 is assessed at the end of the school year, or they can pay at the security office or traffic office."

Two policewomen, commonly called metermaids, patrol the parking area from 7 a.m. until 3:30 p.m. Some days, though, they begin working later in the day and work until 5 p.m.

The 30 minute parking places are checked often. According to Chief Weeden, "People take advantage of the 30 minute spaces at Sikes Hall area during class. Still, every officer gives students and faculty who park in 30 minute areas a fair break." Each ticket is written on a non-discriminatory basis. In other words, the officers have to write tickets as they see the violations.

In discussing the graduated fine system, Weeden says, "I believe the students, and particularly Mike Baxley, were instrumental in putting the graduated fine system into effect."

Chief Weeden, James Brynes, the court recorder, and Bill Pace, chairman of the traffic committee work closely with the student traffic review board under Keith Armstrong.

Weeden believes that close communica-

tion between student government and student police has considerably lessened the number of cars being towed away. He says that the help of WSBF, the student radio station, Sybil James and others in student government, as well as the student police, reduced the number of cars which are towed for athletic events.

Bill Pace, chairman of traffic and grounds committee, says that since the graduated fine system has helped with the traffic problem or not. Fewer tickets have been written this semester, but I'm not sure that can be attributed to the graduated fine system." He suggests that part of the reason for the reduction is probably due to the graduated fine system and the loss of parking privileges after a student receives 10 tickets.

Pace says, "The money which is received for tickets goes into a general fund to be used to supplement other appropriations of the university."

According to Chief Weeden, both the graduated fine system as well as the loading and unloading plan at the beginning of each semester in which students are given hour parking permits, are working.

Weeden states, "What we are attempting to do is tow fewer cars and write fewer tickets. I had rather see the students and faculty obey the laws which they themselves helped make."

## Student traffic review board examines parking violations

The student traffic review board has heard 350 cases this semester. Of the cases heard, the board has voided approximately 80 per cent, according to Keith Armstrong, assistant attorney general.

The review board hears the appeals of students concerning traffic tickets received on campus. The board has the power to void all tickets except towable offenses.

Armstrong said that the board can make a recommendation about towable offenses, though. John W. Pace hears these recommendations and then makes a decision.

"Last semester, we had two towable offense cases. We recommended that both of these be voided and they were," Armstrong said.

This semester, the board has heard five towable cases. One of these tickets was affirmed and the other four were recommended to be voided. "These four are still going through Pace," Armstrong said.

We heard a little over 500 cases last semester," he said. Of these, which was about five per cent of the total tickets written, the board voided 66 per cent. This number is over three percent of the total number of tickets written.

Armstrong said that the board voided "a lot of 30 minute zone and parking in unauthorized area" tickets. The board also has a fair amount of "failure to display a university decal" violations.

"Overall, the Traffic Review Board has been a success. I feel that all the students don't realize we're here. We'd like to see more appeals from them," he said.

Armstrong feels that the people who do use the board are pleased with it: "People who have been here come back, even if their ticket was affirmed. They feel it was a fair deal. There are many students tell-

ing their friends about the why our case load has increased. The board is now averaging from week.

He thinks the boards are fair perhaps even a "little lenient." "Being students, they understand students problems and are more lenient to them," he said.

About the administration, Armstrong said, "They were pleased. They're happy with things have worked out. We have co-operation from Bill Pace and Weeden."

"We've recently selected members. These members were a selection committee made up of Mark Wright, and Armstrong. He said that only four applied for five open positions, we really felt were qualified them."

Although nine commuters, student students are the suggestion "it's not a law that we have that way," he said.

The new members of the Traffic Review Board are Colin Richmond, William Wood, Julie Brown, Chip Harlow, Brian Elaine Swerinten and Phillip Leslie Rooney was reappointed to the board. Other members on the board are Bill Wright, Kim Hill, Richard Nancy Williamson, Michael Steven Melaragna, Frank Susan Telfer.

The traffic review board meets from Monday to Thursday, 5:30 p.m. "We will stay to special instances," Armstrong said.

Cracken, News writer and Susie Pringle, News writer.





Photo by Leonard

# Recycling bill could become law

By Barbara Pinder  
Features Editor

Although the bottle bill, requiring the ban of all non-returnable bottled and canned beverages, failed in the South Carolina legislature last spring, the legislature is deciding whether to send the bill to the citizens as a referendum.

The bill, if made a law, will require the ban of the snap-tab container and will require a five-cent deposit on all beverages in cans and bottles.

Many people feel that the snap-tabs are dangerous and unnecessary as new technology has advanced enough and has brought into use another form for opening a can.

The five-cent deposit on the containers will encourage people to use returnables for resource recovery. By using returnable glass and metal containers, there will be less waste of resources and air and water pollution should recede.

This deposit could also give people an economic incentive to collect beverage containers and return them for money.

According to Mrs. E.L. Steirer, National Resource Chairman for the League of Women Voters in Clemson, the federal government utilized the deposit system in one of their national parks. "For every can or bottle used in their park that was

returned, they paid five cents. If someone threw one away, others could pick up the container and be given the money."

But, on the other hand, there are many groups and organizations which are fighting this new bill, even though such states as Oregon, Vermont, Michigan and Maine have recently enacted this legislation.

*According to a recent EPA report, consumers in 1976 saved 36 cents per six pack by buying soft drinks in returnable containers.*

One group argues that the bottle bill will cause many people to lose their jobs permanently. But in South Carolina, Steirer reports that "quite a few bottlers have gone out of business because of the increased used of non-returnables and plastic bottles." She added that many supermarkets won't use returnables because they present a problem to the staff of the store.

Ed Simpson, R-Clemson, has formally introduced legislation for two sessions. Although this legislation was defeated, Simpson reports, there was actually no loss of jobs. His report shows that only four

canning companies and one glass factory will be affected.

Steirer added that in one glass factory, there would be only a loss of three jobs. Additionally, the bill would create 360 new jobs, as the bill would need people to gather and transport the bottles and cans for recycling.

As the bill appears to be controversial, legislators have decided to let the people decide upon the issue through the use of a citizens' referendum.

Energy savings is another factor that citizens need to consider with the bottle bill issue. According to Steirer, it takes a great deal of energy to produce an aluminum or glass beverage container. "If we don't use returnables, it means that we will have to import more and more aluminum from other countries. Ninety percent of our ore comes from other countries. If we could stop this, it would help the balance of payments."

"The nice thing is that we can see from other states — such as Oregon and Vermont — that this bill works. The job situation in both states has been successful," Steirer said.

In Oregon, the bill went into effect in October 1972. As a result, Rep. Roger Martin visited the S.C. legislature and gave a report that said, "In 1975, beer sales increased 3.8 per cent in Oregon, compared

to ½ per cent in California and 3.5 per cent in the nation as a whole."

Martin added that prices didn't rise and the consumers' favorite beers were still on the shelves of the local supermarkets. Returned bottles were not filled with insects, snakes and mice as expected, said Martin.

"In such industries as container manufacturing, there was an increase in employment," he said.

According to a recent Environmental Protection Agency (EPA) report, consumers in 1976 saved 36 cents per six pack by buying soft drinks in returnable containers.

Another report by the Federal Trade Commission stated that 63 per cent of the consumer's costs for beer are for the container, not the contents.

In the Clemson area, Winn-Dixie is only one of four major supermarkets that still accepts returnable bottles.

Among the groups which supports the bill is William Coors, president of Adolf Coors Corporation. He heads a small coalition of smaller bottlers which favors the law. Other supporters include the National League of Women Voters, the Conference of Mayors, the National League of Cities, the EPA.

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# Muscular Dystrophy Assoc. gives money for research

By Leslie McMahon  
News Writer

The Muscular Dystrophy Association has awarded Clemson biochemist James K. Zimmerman \$13,876 to continue his research. This will be Zimmerman's third year of MDA-sponsored research on a muscle enzyme found at abnormally high levels in muscular dystrophy patients.

One of the theories about the disease states that material leaks out of the defected muscle cells. Part of this material consists of an enzyme, pyruvate kinase, that helps convert sugar to energy. "We are on a more molecular level than we've been before," stated Zimmerman. "We are trying to measure very small amounts of material."

According to Zimmerman, the complexities arise from the fact that, instead of dealing with one specific enzyme, he is working with three variations of the same form, called isozymes. "We know that most of it is in the form associated with the muscle, but the other 10 to 20 per cent is either of the other two."

This other unidentified form is present in trace amounts so that normal detecting devices are not sensitive enough. "Right now, we're working on a technique to increase the sensitivity of the process...We're having limited success."

Referring to his research, Zimmerman said, "If we can get the purification work-

ed out, that would be the end of it. But as soon as you get one question worked out, you get three or four more.

"Without understanding the molecular activity, we can't understand the initial question of why the enzyme has high blood activity in muscular dystrophy patients.

"In the early stages of muscular dystrophy, the blood level of the enzyme appears to be very high. But as the disease progresses, the blood level becomes lower and lower," he said. "There are several types of muscular dystrophy and each will probably have a different cause. Some types are hereditary." At this time, the causes of muscular dystrophy are unknown.

Zimmerman stressed that he is involved in basic, rather than applied research. His studies are not directed at finding a cure, but at explaining the reason behind the observation of the enzyme's high activity in blood.

During his three years of study, the MDA has granted Zimmerman over \$40,000. The Clemson grant is part of a total of over \$10 million the MDA spends on research each year. This grant is the only one active in South Carolina.

Of the three different laboratories working on the high levels of pyruvate kinase, the Clemson lab is the only one trying to find the reason. The other two are clinical labs working on mass screening of patients for statistical purposes and for purposes of

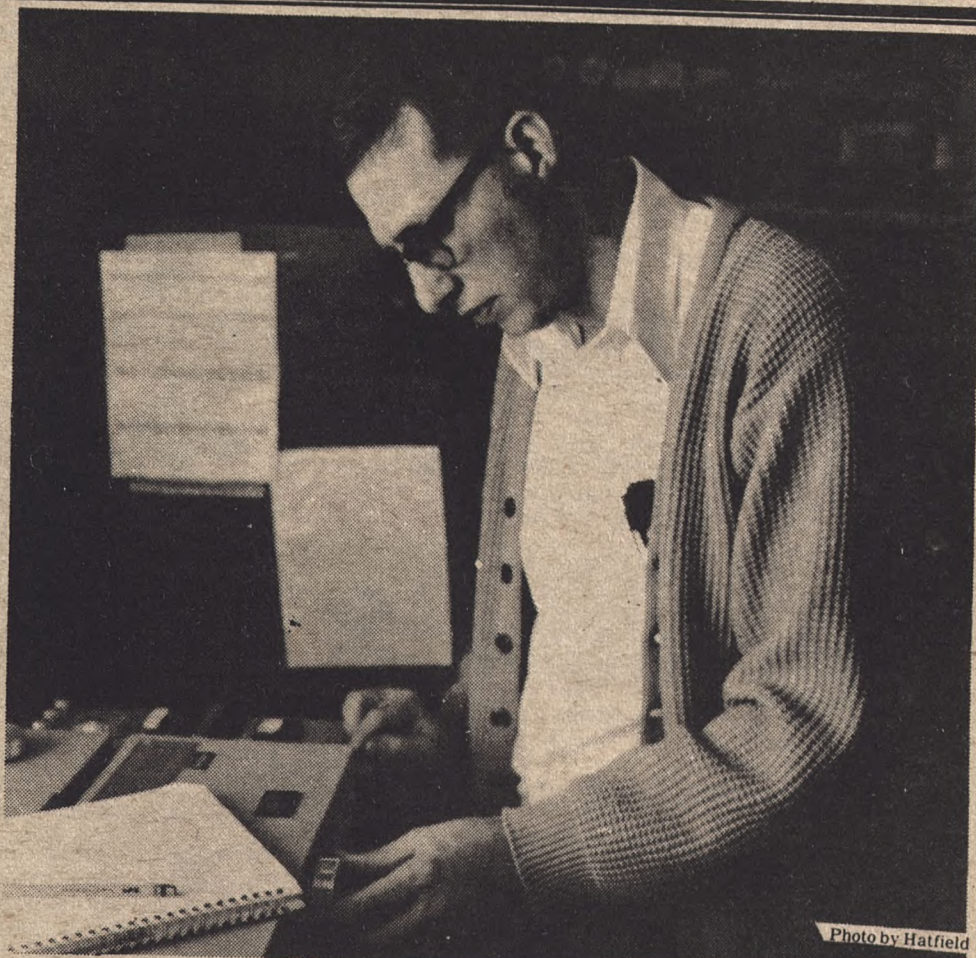


Photo by Hatfield

DR. J. K. ZIMMERMAN of the biochemistry department has recently been allocated money from the MDA for enzyme research.

diagnosis.

Various organizations on campus are helping raise money for the MDA. The Kappa Alpha fraternity is planning a

dance-a-thon for March 10-11. Earlier this fall, Chi Omega sorority and Sigma Alpha Epsilon held a "bathtub marathon" to raise money.

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# Incorrect diet, rest, exercise affect heart

By Susan Keasler  
Features Writer

Many factors contribute to the condition of the heart. A sufficient amount of rest and exercise, and a balanced diet are necessary to maintain a strong, steady beat.

"Anybody who gets under four hours or more than eight hours (of sleep per night) is increasing his chances for heart attack," said Dr. Byron Harder, a physician at the Redfern Health Center. A lack of rest can overwork the heart, since the organ is not allowed enough time to operate more slowly than at its normal pace. On the other hand, blood mires up when the heartbeat is slowed for an extended period.

Harder contends that a lack of sleep causes an individual to become "snappy" with his friends. Even though he experiences no difficulty in remaining alert, in fact, has plenty of energy, his partial sleeplessness will produce long range effects. Later in life is rest requirements will probably increase, and he still feels sluggish though resting more.

Scientists demonstrated that an abundance of cholesterol surrounding the heart tissue — and ample weight — exert pressure on the pumping action of the heart. A balanced diet is important to prevent these problems.

However, a recent survey, conducted by a Frathingham, Mass., research institution, supplies argument that diet is not important. The survey panel also disputes the alleged effects of caffeine on the heart, claiming that such substances as coffee have no effect on the circulatory muscle.

Exercise is shown to be much more ef-



Photo by Hatfield

ACCORDING TO DR. Byron Harder of the Redfern Health Center, students should eat correctly, get plenty of rest and exercise frequently to lower their risk of a possible heart attack. The month of February has been declared Heart Month.

fective than diet. Harder stated that a student is probably receiving a sufficient amount of exercise if he does not become rather tired and winded from a walk across campus to classes.

He recommends "shooting basketball...going over to Fike for a swim...or jogging (in place) a little in the room two or three times a week" to maintain the proper exercise level.

Smoking is a strong negative influence

on heart function. "That is the one thing that otherwise basically healthy students do that is most detrimental to their health," remarked Harder. The Frathingham survey showed that smokers have a 300 per cent greater chance of heart attack than non-smokers. Nicotine constricts the blood vessels, allowing better opportunity for the blood to clot.

Psychology professor George O'Neill recommends behavior modification

techniques to students in his psychology of adjustment classes, to increase personal incentive to lose weight, stop smoking, and attain other goals.

O'Neill supports the idea of reward for regular improvement. He defined reward as anything participated in by free choice. The professor is opposed to self-inflicted punishment for failure to reach a goal.

## Magnolia removal discussed

No more of the magnolia trees in front of Johnstone will be cut down, according to Elaine Swearingner, magnolia committee member.

The magnolia tree, removed in January after a blight destroyed it, should be replaced by March 15, if the weather permits. "Before the 24-foot tree can be planted, the soil will have to be treated," she said.

The benches around the trees were removed so the soil could be treated. The soil was getting compacted because of student use and construction, Swearingner said.

About the benches, she said, "We're going to work on trying to get them up. Although they will not be in the same place, they will re-create the same kind of atmosphere and will be useful to the students."

Although the other trees are not dying, Swearingner said that they were showing signs of decline. The committee is working with a nursery to help the soil and the roots.

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# the tiger

## Little theater presents charming rendition

By Mark Charney  
Entertainment Editor

George Bernard Shaw's *Caesar and Cleopatra* is a classic battle of witticism. Using a historical basis, Shaw took two characters and molded them into distinct individuals with very human, very recognizable traits. By combining vanity, desire, inexperience, and uncertainty, Shaw made Julius Caesar, the Conqueror, and Cleopatra, Queen of the Nile, into universal characters who can be both admired and understood.

Like Major Barbara, *Caesar and Cleopatra* is abundant in humor, and like *Saint Joan*, the play is surrounded by an aura of mystery. Shaw's *Caesar and Cleopatra* is certainly a drama of all time, and is as appropriate for the stage now, as when it was originally produced.

J. Lake Williams, Jr., in choosing *Caesar and Cleopatra* as the Greenville Little Theater's third seasonal production, made both a wise and unwise choice. Mr. Williams has directed an admirable production of an old classic, which possibly is misunderstood by the Greenville audience, or in some cases, not understood at all. Within the program, it is made clear that "... Bernard Shaw and other magnificent fictioneers have found food for ecstasy and with in these thrice hazy days..." and yet comments of the audience throughout the intermission expressed disapproval at the historical inaccuracy of the play.

This is certainly an unimportant feature, as George B. Shaw's intentions did not involve the accurate presentation of a history lesson. Secondly, because of the scarcity of proficient actors, many minor acting roles are not up to par with the major. Somehow, a broad southern accent does not seem applicable in Egypt in 48 B.C., in spite of the universality of Shaw's drama.

Nevertheless, Teri Carrazzone, as the young Cleopatra, is a joy to watch. Her moves are graceful, her voice almost magnificent. She has the stage presence of a Broadway actress, and the ability to make the audience laugh with her, feel for her, and even understand her. As in the

Little Theater's last two shows, Carrazzone simply steals the show.

This is not to detract from the Rev. Bob Lawrence's excellent portrayal of the aging Caesar. Like Carrazzone, Lawrence is able to provide an honest portrayal of his character, and in turn, achieve a great amount of audience rapport.

and-white exterior. Inside, orange-and-white wall-to-wall carpeting surrounds the bar, and there is a small tiled section in the back for those who wish to dance.

There are also two pool tables, in addition to a larger number of pinball machines. The new look and many additions are to attract Clemson students, as the bar will allow primarily only students who are 18 and hold an I.D.

Opening in the Clemson area a few weeks ago, the Tigertown Tavern introduced a series of "special rates" to attract the Clemson crowd. Four new owners have taken over the lease and the equipment belonging to the previous owners of the Red Carpet, and these new owners plan to cater especially to students.

A complete renovation job has begun, the most obvious change being the orange-

### Caesar and Cleopatra



Apollodorus. Both provide effective counterparts to Carrazzone and Lawrence, but it is unfortunate that the other minor characters do not fare so well.

The technical aspects of *Caesar and Cleopatra* are no less than splendid. The four interchangeable columns move quickly into varied positions for each sequence, and the model of the Sphinx in the first scene has the audience clapping in appreciation. The lighting is both subtle and beautiful, adding to the mystical effect of the entire show.

Possibly, however, the most outstanding scene is that in the Palace Roof Garden, which begins the second act. Carrazzone, as Cleopatra, looks ravishing in a set of true garden splendor.

Credit, of course, must be given to Williams, for the play involves many long and difficult dialogues, some witty and some intensely emotional. The play moves quickly, and the transitions from scenes of emotional fervor to those of light-hearted humor are effective and believable.

The costumes also add to the magical effect of *Caesar and Cleopatra*. Rented from the original Broadway production, the \$6,000 costumes add splendor to the set.

Although *Caesar and Cleopatra* probably will not achieve the popularity it deserves, it is not really because of the Greenville Little Theater's production. Audiences around the Greenville area seem sometimes to rely on broad comedy and intense drama, rather than readily accepting a subtle combination of both. Though the production's minor characterization is oftentimes poor, the show is presented strongly and effectively.

Tickets can be obtained by calling 233-6237, or by writing the box office in 444 College Street.

## this week

### FRIDAY, FEBRUARY 10

Valentine's Dance  
Bethany, Ezell, Blakeslee in Edgar's, 8:30 pm, \$.50

### SATURDAY, FEBRUARY 11

Bethany, Ezell, Blakeslee in Edgar's, 8:30 pm, \$.50  
Basketball (men) vs. Maryland  
Concert: Sanford Townsend in Tillman, 8 pm

### SUNDAY, FEBRUARY 12

Free Flick: "Family Jewels," 8 pm  
Gallery Exhibit: Steve Black-silk-screen, thru Feb. 22

### MONDAY, FEBRUARY 13

Lee Gallery Exhibit: "The Cartoon Show," thru March 17

Basketball (women) vs Lander, 7:30 pm  
Videotape: Wassomotta U, thru Feb. 19  
Short Courses: Dulcimer Making; Sound & Lights; Ballroom Dancing; Furniture Refinishing; Macrame

### TUESDAY, FEBRUARY 14

Local Talent in Edgar's, 8:30 pm  
Miss Clemson Pageant, 7:30 pm  
Short Courses: CPR; Bridge; First Aid; Marriage; Camping Gear; Valentine Day

### WEDNESDAY, FEBRUARY 15

Short Courses: How to Buy a Stereo; Square Dancing; Memory Systems; Free Lance Writing; Journal Keeping

### FRIDAY, FEBRUARY 17

Superstars Competition, sign up at Info Desk  
Local Talent in Edgar's, 8:30 pm, \$.50

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# arts / entertainment

## History lecture illustrates value of series

By Mark Charney  
and  
Brother Scott  
Entertainment Staff

Dr. Robert Isherwood, professor and author of *Music in the Service of the King: France in the 17th Century* from Vanderbilt University, delivered two scholarly lectures in Hardin Hall Feb. 2. The first lecture was presented primarily to Dr. Richard Golden's class, "The Age of Reason," and to Dr. J. V. Reel's class, "History through Opera," while the second was opened to the general public.

The cynosures of the first lecture included Plato's conception of music throughout the universe, the development of music by French Academies, and the manipulation of music by Louis XIV. Isherwood explained Plato's philosophy that music is a powerful force which can be used to aid in reaching harmonious accord with the universe. Musical lyrics, being effective forms of poetry, became almost a manipulating and controlling medium.

Isherwood explained the alterations in this Platonic idea over the centuries, and especially explored the reign of the "Sun King," Louis XIV. Utilizing the musical genius of Lully, Louis XIV produced music to serve as a form of propaganda and to further extol his virtues and grandeur. In this manner, he effectively strengthened his state.

By his speaking of opera's development in Italy and carrying the use of this

medium through the reign of Louis XIV, Isherwood made his lecture applicable to the course on "History through Opera," as well. Referring to opera as the "quintessence" of music and visual art, Isherwood cited several examples which illustrated opera as a means to convey allegorical concepts. The famous opera by Ovid, Cadmus, was cited as a primary example of how Louis used the arts to appeal to the heart as well as the ear.

Dressed as Apollo, "Sun God" and ruler of the muses, Louis conveyed an allegorical symbol which was generally accepted and understood by the majority of France during his reign.

The second feature, held Thursday evening at 7:30 p.m., proved that Isherwood is indeed a scholar engrossed in his field. Though the second lecture as a bit too lengthy and sometimes too specific, Isherwood communicated many interesting concepts on 18th century entertainment in Europe.

Distinguishing between the cultural accomplishments of the upper and lower classes, Isherwood spoke of salons, ballets, operas, vaudevilles, theater, aquatic battles, and popular songs.

Isherwood noted a distinction between legitimate and illegitimate theater, and spoke of the ability of actors to avoid state censorship. Much of the lecture was humorous, but it all was informative and applicable to an understanding of the development of some of the U.S.'s current modes of entertainment.

Isherwood's lecture brought about several features of the 20th century environment. For example, music is used as propaganda in restaurants, sports events, shopping malls and even grocery stores. It serves to shape moods, ideas, and even opinions on a varied number of subjects.

Isherwood also proved that, as a form of

entertainment, guest lecturers can be intriguing, provocative, and even humbling, depending on the worth of the speaker and the interest of the audience.

If you haven't attended a lecture series, do so. If you have, and find it to be displeasurable, give it another chance.

## Professor authors book

By Gary Brannon  
Features Writer

How, in a book of only 66 pages, can Alexander D. Lewis, professor emeritus in mechanical engineering, hope to resolve the question of why we are here and ponder questions about evolutionary and biblical concepts of creation, divine intervention, divine revelation, telepathy and the future?

And how, with 35 years' experience teaching engineering and science courses to college students, can he do this, while maintaining a comfortable relationship with the theory of relativity and the second law of thermodynamics?

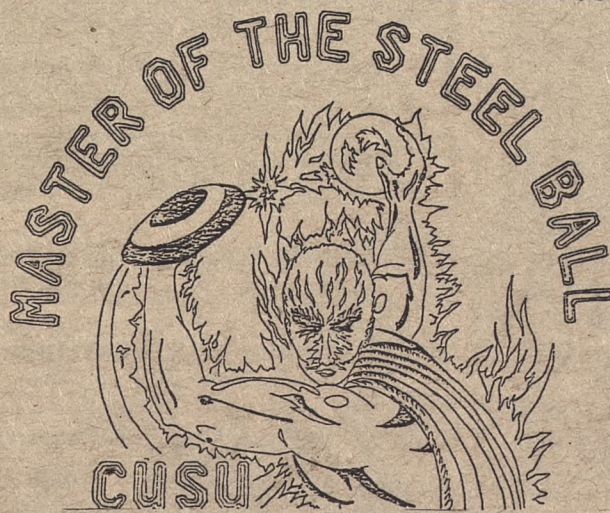
Lewis has wisely chosen to provide—instead of answers—a possible key to these and many more questions in a philosophy he calls infinity dynamics. Lewis does mention science, religion, and even government, with respect to this philosophy, in *We Are Forever Through Infinity Dynamics*. However, the bulk of the

answers to profound questions manifests itself in the reader's head and not on the pages he has read.

The philosophy of infinity dynamics is like an intriguing tool which performs so well at one job that one can hardly wait to try it out on another, to see if it does as well there. Lewis simply offers the readers this tool with a few illustrations of its usefulness and then leaves him the fun of experimentation.

The stimulus remains long after the last page is turned, and in this way the book is truly larger inside than the outer dimensions suggest. After reading it through, one might think of the book "like an onion: except that as you continue to go in and in, each circle is larger than the last."

Of course, some of the concepts of infinity dynamics are controversial, but only if a person is such a zealot that he would pound on the desk with his shoe and proclaim his own obstinance if he in no danger of finding himself eventually defending this philosophy's internal consistency and application.



### Master of the Steel Ball

Master of the Steel Ball Tourney starts Feb. 20 at 8:30 a.m. in the game room.

### OUTDOOR RECREATION COMMITTEE

Cross Country Skiing - February 18-19, 1978. Sponsored by The Good Earth and Clemson University Union. \*\*Limit 15 people (no experience necessary and all equipment is provided.)

Ice Skating at The Omni in Atlanta - February 25, 1978. We apologize to those persons not able to visit the Omni with us on January 28, 1978.

Starting on February 7, 1978 - a short course on Do-It-Yourself Camping Gear. Details at the Info Desk.

### TRAVEL

Having difficulty finding a place to stay at Daytona Beach or Fort Lauderdale? Let the CUSU Travel Center help. Call 656-2461 or come by on Tuesdays or Thursdays from 3:30 - 5 p.m.

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Don't get lost! Buy a map of the Eastern, Central or Western U.S. Now available at the Student Union Info Desk. Price 50¢.

International Student I.D. Cards for overseas travel are available at the Info Desk.

### GAMES & REC - "Trivia Contest", Feb. 21

From 7:00 - 9:00 and it is free. Minited to 20 teams of three people each team. Competition in 3 categories: movie and T.V., comic book, and sports. Reference books will be on hand. Sign up in teams of three.

## UNION SPOTLIGHT

For info call 656-2300



### CDCC - SANFORD TOWNSEND BAND

The Central Dance/Concert Committee of the University Union presents The Sanford Townsend Band in concert with special guest Michael Marlin. The concert will be held in Tillman Auditorium Saturday, February 11, 1978, 8:00 p.m. on the Clemson University campus. Tickets are \$2.50 each and are available at the Clemson University Student Union Information Desk Monday-Friday 11-1 and 5-7 or Saturday from 12 p.m.-5 p.m., and at the door the night of the show. The concert is open to the public. Further information can be obtained by calling 656-2461.

### "Superstars Competition"

Feb. 17. Obstacle course of games - 25¢ admission. Compete against other individuals in pool, foosball, bowling, pinball. Prizes awarded.

### SPECIAL EVENTS "Valentine's Dance"

Disco, kissing booth, cake walk and a costume contest of the most famous couples and swinging singles. Prizes will be awarded. Monday, Feb. 13 from 8:00-12:00 p.m. in the game room. Free refreshments and smooches will be served.



### In Edgar's...

Bethany, Ezell, and Blakeslee  
Friday and Saturday  
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Clemson vs. Maryland  
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Local Talent  
Every Tuesday Night 8:30  
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Ladies' Night - Tuesdays  
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Edgar's serves wine by the glass - 50¢

Auditions can still be arranged for local talent. Drop by the Info Desk at the Union.



# Education television: a learning experience

By Mark Charney  
Entertainment Editor

Though it is easy to become disgruntled with television returns this spring season, there is one station which proves television can be looked upon as a valid art form: educational television on channel 29 in the Clemson viewing area. Educational television (or ETV, as it is often abbreviated) offers not only courses of instruction, but also fine displays of drama, literature, music and dance.

ETA is noted for its effective serials, such as the widely acclaimed "Upstairs, Downstairs." This month, ETV begins a 10-part dramatization of Leo Tolstoy's Anna Karenina. By usually following the novels upon which its series are based very closely, ETV tends to please the majority of its viewing audience.

An extra bonus to be considered is that ETV offers no commercial interruption. The station runs completely through grants and donations. Though sometimes there are intermissions, most dramatic features run totally uninterrupted.

"The Foysythe Saga" is continued during the month of February, as well as the series "Once Upon a Classic," which offers a dramatization of "Lorna Doone." Theatrical presentations this month include "A Voice From the Past," "Philemon," and "Anselm Gets His Chance."

"Cinematic Eye," a program which presents old cinema classics for movie buffs, presents "The Cabinet of Dr. Caligari," "Potemkin," and "M."

In the musical category, educational television satisfies a wide range of musical tastes. For orchestra buffs, "Great Performances" hosts the Philadelphia Orchestra, the Los Angeles Philharmonic, and the Chicago Symphony, all in February. Luciano Pavarotti will be performing an opera recital live from the Lincoln Center, and the New York City Ballet

will perform "Coppelia" with famed Patricia McBride. "Soudstage" provides a more contemporary music scene with Burton Cummings, Phoebe Snow, Melissa Manchester and Hank Williams.

Each month, several artistic specials are offered on ETV, as well as its regular programming. This month, channel 29 will explore the history of England's royal families through royal art collections, and will also take a look at contemporary women artists. The National Geographic series will examine "The Great Whales," and "Of Race and Blood" will present an interesting and largely unexplored area

dealing with the life of Adolph Hitler.

Though college life is indeed busy, much of the time spent watching these programs will prove to be beneficial. Times vary for each program, and usually each show is offered twice a week.

An ETV guide is provided free to all interested persons, and can be obtained by writing the S.C. Educational Television Commission, 2712 Millwood Avenue, Columbia, S.C. 29250. There is also a number of free copies available in the Robert Muldrow Cooper Library.

## German students present comedy

By Sue Shaffer  
News Writer

Students taking German 299 will be presenting an original comedy, "Einmal in Lande Schutz..." ("Once Upon a Time in the Land of Dirt..."), Tuesday, Feb. 14, in Daniel Auditorium at 8 p.m.

Dr. Judith Melton, director and advisor for the play, pointed out that this year's production is a "community effort." Until last year, the productions were based on plays chosen by the advisor. However, students last year collaborated on a "nightclub-type" production called

"Cabaret." With "Cabaret's" success, the students decided to experiment this year by writing a complete play.

The play was first written in English by Andy Hunter, and later translated into German with the help of Ingrid Vasey, a native of Germany. Most of the editing has been done during rehearsals in which all the students have contributed.

Hunter describes the play as a "science-fiction fantasy" that focuses on two planets, the "Planet Clean," on which there is no dirt, and the "Planet Dirt," which is covered in dust and filth.

The humor begins when King Sudsi from

the Planet Clean decides to purchase some dirt from King Schmut from the Planet Dirt. Each side tries to outwit the other with its bargaining powers. Hunter plays a "bratty kid" who attempts to end the conflict between the two planets.

Hunter and Melton both promise the play will be funny and easy to understand, even for those without a background in German. The 23 participants of the play vary from first- to fourth-year German students.

Many of the characters have names that are plays-on-words in English, and a synopsis of the play will be printed in English on the programs.

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# campus bulletin

## Announcements

The Biochemistry Club will meet Monday evening, Feb. 13, in room 123 Long Hall at 7:00.

Eight immediate openings for part-time work! Female preferred. Afternoon and evening shifts available. Please call Frank Panzer at the Holiday Inn, 654-4450. Calls accepted all day Friday, Saturday, Sunday, and Monday.

Loosen up your flipper finger, 'cause we're almost ready. Each week we are awarding an original, limited-edition master of the flipper machine in the game room. Brought to you by your friendly Union. We'll start Feb. 20 at 8:30 a.m.

Any girls interested in becoming racquets for the Clemson tennis team should call Page Thompson at 656-8929. The racquets call the scores at all men's tennis matches here at Clemson.

Win \$75 in The Upper Level's Pose with a Stroh's Contest. For more information, see our ad on page 26.

Join the International Folk Dancing Movement. Discover your musical heritage. Beginners welcomed—no previous dance experience necessary. Come and dance around the world every Tuesday. Afternoons: 3:30-5 p.m. or evenings: 7:30-9 p.m. at Wesley Foundation Bldg. For more information call K. Kelly at 654-2931. Sponsored by Clemson Dancers.

Getting ready for a good weekend? Or will you still be worrying about something that's happening in your life—grades, people, or why you're here? Whatever it is, Hotline wants to help you work it out. We're fellow students. We'll keep what you say in confidence, and we're only a phone call away—654-1040, 8 p.m.-8 a.m. nightly. Give us a call; let's talk about it. We'd also like to hear from people who're interested in serving as a Hotline listener. Give us a call tonight.

Mu Beta Psi is looking for talented individuals and groups to participate in its 20th annual Spring Sound to be held March 16. Auditions will be held Feb. 20 & 23. Sign up in the music dept. office (717 Strode Tower) by Feb. 17. For further information, contact Wendy Draeger at 656-8530.

## Classified

For Sale: One nylon backpacking tent. Fits 2 to 4 people. Poles and pegs included. Call Steve at 882-2550.

Lost: Hewlett-Packard calculator in M-302 Martin or 104 Brackett on Friay, Feb. 3. Reward offered; no questions asked. Call 6194.

For Sale: Bright yellow shag carpet, 4' x 6', asking \$8, but will negotiate. Call 6194.

Jobs available: at Camp Hope near Clemson. Mid-June through mid-August. Various positions paying salary plus room and board. High school seniors and older. Call 803-656-2477 for appointment or see Mr. White in the FRR Building, Clemson University, room 270.

Anyone: Construction crew positions available with the Clemson Players. No experience necessary. Contact Chip Egan, Strode Tower, as soon as possible.

Found: Jan. 27 at the YMCA theater, a diamond-shaped green pin with a gold "G" and a gold arrow on the surface. If it's yours, call 654-5046.

## Personals

Congratulations to William Chaplin and Dick Vaughan for first place in the CUSU football tourney.

Dear Chuck, Happy Valentine's Day. I miss you. Love, Barbara.

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# the tiger



Photo by Toulmin

## ACC officiating: when will it ever improve?

By Chick Jacobs  
Sports Editor

"It was a nightmare." "It was the worst thing I've seen in my life." I just can't believe it." "Absolutely unbelievable."



Photo by Heriot

These are not the words of witness of some natural or man-made disaster. Nor are they the survivors of some massacre. They are not even witnesses of the recent Clemson-UNC game. They were present at the Tiger victory over Wake Forest.

They saw some of the most appalling officiating to ever disgrace college basketball.

Three grown men were charged with the responsibility of keeping the game reasonably clean of contact, making sure both teams observed the rules, and "calling the game the way they saw it." After the missed calls, the incredibly inept decisions, and the violations that never occurred, one must wonder if indeed they were able to see them at all. In fact, it is a sure bet that on some occasions the referee making the call could not see the play at all.

Case in point number one: Jimmy Howell, playing his best game of the year and probably of his career, went up and cleanly (no contact anywhere except the ball) rejected a shot by Rod Griffin. Two referees were in position to see the play—they said "clean." One ref (Jim Hern-jack) was not in position to see the play. He called a foul for body contact.

Case in point number two: John Campbell was in position under the defensive goal. A long Wake shot caromed off the rim. Two referees had the proper angle to tell whether or not Moose goal-tended. One ref was not (he was dead center of the halfcourt line, an impossible spot to judge front-rim goal-tending.) You get four guesses and you will not need three of them.

Case in point number two: John Campbell was in position under the defensive goal. A long Wake shot caromed off the rim. Two referees had the proper angle to tell whether or not Moose goal-tended. One ref was not (he was dead center of the halfcourt line, an impossible spot to judge front-rim goal-tending.) Guess who called goal-tending? You get four guesses and you will not need three of them.

Case in point number three: Campbell, again in position, was under the defensive basket. A Wake shot was missed and Campbell got the rebound. He also got an elbow to the head, an arm over the back, and gentle nudge toward the base line. Although he managed to get the ball passed out, no foul was called on Wake. Campbell was called for elbow-swinging.

There are many other instances that could be presented, but the point has been validly exemplified the officiating was a shambles.

Many times when a team loses, it finds solace in blaming the officials. A valid case of this occurred last week when the Tigers faced the Wolfpack in Raleigh. By the end of the game, the State fans were singing a modified version of a popular Queen song: "We will, we will rob you."

However, the Tigers were victorious, the result of hard play in the face of three blind mice and not folding when they got six team fouls in the first five minutes.

The game raises two serious questions about officiating in the league, neither of which can be answered to the total satisfaction of anyone. First: will three referees ever be satisfactory? Second: can anything be done to improve the quality of ACC officiating?

The concept of three officials has always had supporters and opponents in ACC circles. Back when USC was in the conference, Frank McGuire was a strong advocate, as was Dean Smith. Finally the idea was tried for a trial period.

The result? Fans have been moaning the increased number as well as the increased pickiness of fouls being called. While this has reduced some of the contact away from the ball, it has also slowed the game up somewhat.

It has made the third official a sort of "garbage man," in he is supposed to pick up the other referees missed. If the two other officials are doing a good job, he has to start calling fouls that barely happened — or did not occur at all.



# sports

## Wake becomes Tiger's second conference upset victim

By Cobb Oxford  
Sports Writer

Wake Forest's Demon Deacons opened their ACC Bibles to the ninth game of the season Wednesday night and the verse stated, "Clemson's Tigers giveth and they also taketh away." The Tigers staked themselves to a 12 point lead in the first half, saw it melt to a one point deficit, and then regained their poise to capture a 91-81 conference victory. Clemson scrapped and played well and Wake just simply ran out of tricky ways to win another ACC encounter.

Chopping wood and zone defenses, believe it or not, were two keys to the Tiger's second conference victory. Coach Foster is undefeated on days that he chops wood before a game. It is rumored that Clemson rans are going to send a truckload of pulpwood to Greensboro on March 1.

Clemson gave the opponents a taste of their own medicine on Wednesday as they to prove that man-to-man is not the only defense on the court. It took one day to install, but the zone helped the Tigers to gain an advantage on the boards, and also early foul trouble was protested. The new name that Coach Foster gave this defense is the "alumni zone" because the grads were griping for another defense.

Late in the game, after the Tigers had regained the lead, the 1-4 offense of the "Tiger Pause" was effective in clinching the victory. Derrick Johnson, Stan Rome, and Colon Abraham all handled the ball well in the clutch as Wake had to foul to stop the action.

Jim Howell and John Campbell both had

impressive outings as they combined for 30 points and 21 rebounds. Howell continues to show hustle and determination by diving for loose balls and taking the tough inside shots.

Campbell has the ability to get the team and the fans up by slamming one through at exactly the right time. Billy Williams came off of the bench to score nine points including a key three point play with about seven minutes to play.

On defense, Chubby Wells fronted Rod Griffin and did a good job holding last year's ACC player of the year to 20 points. Griffin is the type of player that will get his 20 points but do not let him have any more.

Frank Johnson led the Deac attack with 24 points, all from outside the zone. Wake was due to come down after three big conference victories but they also happened to catch the Tigers on a good night.

Coach Foster said, "It was nice to get number 13." How right he was. In what has been otherwise a very disappointing year for the Tigers this was a very needed win.

"It's a wacko league," Foster stated, "there is no one in the top twenty because they kill each other off." The conference has had everybody but Clemson in the elite twenty this year. As one reporter put it in the press room, "national ranking in the ACC is the kiss of death." Duke, UNC, Virginia, and Wake all were ranked until in their next game when they were all knocked off by a conference foe.

Clemson has given good effort in the last three games. After "Little Big Horn Week" (large losses to Furman and UNC), the Tigers have come on to play good basketball.

The schedule does not get any easier but

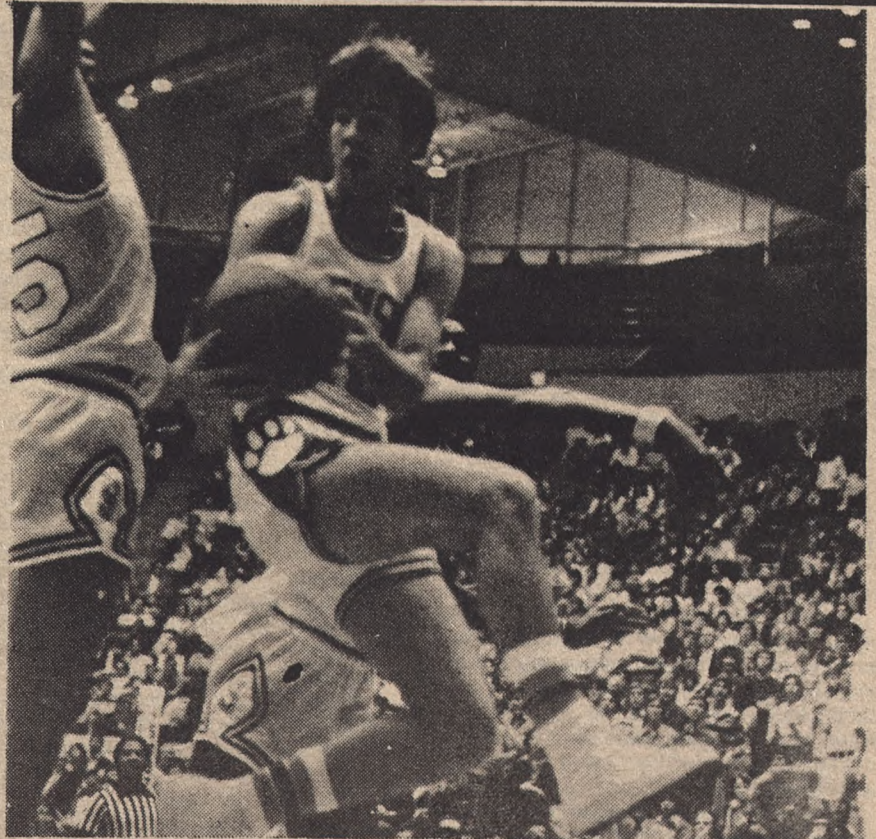


Photo by Leonard

the improving Tigers have a chance to make their voices heard in Greensboro. With Maryland on Saturday, a victory could give Clemson a two game advantage on the cellar.

February is beginning to look like a good month for the Tigers and various changes,

such as the zone, can only serve to have a positive effect on the program.

The season will all boil down to the ACC tourney in Greensboro and as Wake Forest Coach Carl Tacy said Wednesday night, "Greensboro is going to be a riot."



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# Lady Tigers head for first ACC tournament

By Lynn Jarrett  
Sports Writer

The Clemson women's basketball team is presently at the University of Virginia at Charlottesville for the first ACC tournament. Before they left, Coach Tribble said, "I think that you would have to go with NC State to be the odds on favorite. They have the talent and the size to beat anyone. They showed that when we played them last time." In the game she is referring to, NC State downed the Tigers, 98-74.

"I guess the next favorite team would be Maryland, but they aren't any better than we are. We could beat them if we play a good smart game," continued Tribble. She does not think the Tigers will have much trouble in the first round as they face Virginia. Earlier in the season, Clemson topped the Cavaliers, 86-58.

However, after the first round the Tigers "will have their work cut out for them." Tribble predicted, "We have a good chance to take the whole thing, but there's a lot of people who are going to try and keep us from it."

"I think the last couple of games have been good signs of how we'll do in the ACC tournament," Tribble commented. "We had a bad game against Maryland. We just didn't look well. Then we got killed by State. The UNC game was the first time we looked good in a while. Our transition has been getting better lately."

Tribble cited the guards for good passes and shots. Four of the Tigers are averaging in double figures with one team player scoring over 20 points per game. Gretchen Becker and Bobbie Mims are both averaging 12.4 points per game while Cissy Bristol and Donna Forester are averaging 15.0 and 21.1 points, respectively. Forester is also leading the team with 11.9 rebounds

per game.

Forester broke her left middle finger during the UNC game. "We thought she might be out for at least two weeks, but as soon as they blew the whistle, she was ready to play," stated Tribble. Her hand is not hurt as bad as Debbie Hammond's was earlier. Forester did not have to have pins in her finger.

"When the ball first hit my fingers I just thought they were jammed," remembered Forester. "When I found out about the break, I was worried about not being able to play. My shooting has not been affected because I shoot with my right hand, but my rebounding has been affected." Even so, Forester has been the high rebounder in three of their last five games.

On defense, Kathy Wilson has been the "hawk" as she leads the team with 50 steals. Drema Greer leads the team with 145 assists. Greer's eight assists in the 84-42 victory over Erskine Wednesday night paced the Tigers. Gretchen Becker, Donna Forester, and Cissy Bristol were top scorers dropping in 17, 16, and 14 points, respectively. Kathy Wilson and Debbi Hammond tied for high rebounder grabbing eight rebounds apiece.

Clemson hit 51.9 per cent of their field goals to Erskine's 28.6 per cent. Five Clemson women are hitting over 50 per cent from the floor, and two more are hitting over 45 per cent.

Monday, February 13, the Tigers will be home from their ACC tournament trip to host Lander. Then on Wednesday, they will go on the road to meet South Carolina State.



Photo by Toulmin

DREMA GREER, Donna Forester and Debra Buford break down-court in Littlejohn. The Lady Tigers are in Charlottesville, Va., to take part in the first women's ACC basketball tournament.



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# Grapplers extend win streak, crush ACC foes

By Hugh Hunsucker  
Sports Writer

Last Saturday Clemson's wrestling team extended its winning streak to 9 games with victories over conference opponents Maryland and Virginia. The win over Maryland was the first conference victory of the year for the Tigers. The Virginia win was equally important since the Cavaliers are the defending ACC champs.

So far, the only losses the team has suffered are the two opening matches of the year against North Carolina and N.C. State. "We'd like to have those two back," said Coach Shalles. "We believe we can beat them now that we've got a little more experience."

One of the top performers on the team is Noel Loban who wrestles in the 177 lbs. class. He has a 20-3 record so far this year. According to assistant coach Chuck Cor-yea, Loban has the best chance of anyone

on the team of making All-American this year.

Larry Cohen, who wrestles in the 118 lbs. class, has been another top performer this year. He has the most victories of anyone on the team with a 21-5 record. Others with very good records include Mark Lowe, Glenn Muncie, Rick Drury and Steve Banach. Of these six wrestlers, only Banach has lost any matches this semester, and he has dropped only one.

According to Coryea, the team suffered a substantial loss at the beginning of this semester when the then team captain, Dan Owen, resigned from school to return to his home in Iowa. "The reason for Owen's resignation was mainly homesickness," Coryea explained.

The coaches have already begun recruiting among the high school seniors for new talent for next year. Two of their top prospects are the twin brothers of Steve Banach, both high school All-Americans in wrestling. Another top pro-

spect is Bill Marino, also an All-American out of Pennsylvania.

The wrestlers have two home meets left before they go to the ACC tournament. The first is against Western Carolina on Feb. 18, just after the N.C. State basketball game. Furman comes on Feb. 21 for a

meet at 7:30 p.m. in Littlejohn.

Both Coach Coryea and Head Coach Shalles expressed satisfaction with the progress the team has made to date. Says Coryea, "The wins last week gave the team a lot of confidence. They know they can win the ACC tournament now."

## Ruggers miss Mardi Gras

The temperature in New Orleans recently has been very cold. It might have helped to have the Clemson rugby club down there; they have been real hot over the past few days. It has not had anything to do with the weather, though, or the Ruggers playing in the annual Mardi Gras Tournament. It was more their not playing that caused a stir.

For the first time in Clemson rugby history, the Ruggers were not accepted into the tournament.

Apparently there was some mix-up concerning the amount of time necessary to register the Ruggers in the matches, held every year just before Mardi Gras. The team sent in their registration fee two weeks before the games, the usual time necessary to insure participation.

In fact, on previous occasions, the Ruggers have even played the tournament

without paying until afterward.

However, a new group apparently was in charge of the tournament, and according to Rugby Captain John McManus, "They were more interested in getting the money instead of getting the good teams."

The team was told that they would be in the tournament "on two different occasions," McManus remarked. "We got the entry fee in, but they waited on the check and it was too late. They told us they already had 65 teams."

The Ruggers had been in the tournament for the past four years, winning the consolation bracket two years ago. McManus noted that the team will be going back again. "We'll just have to make sure we get it in early enough for them this time."

The next action for both the men's and women's rugby teams will be against Emory College in Atlanta.

## ACC officiating

(Continued from page 24)

Even more appalling is the fact that although the number of officials per game has increased, the quality of officiating has not. This is not to say that officials should be expected to see every little thing that transpires on the court. It is doubtful that a court lined with refs could see every push, hand tag, or countless violation that happens during an ACC game.

What should be expected is that three officials would be able to see more of the blatant violations without having to key on the picaune discrepancies.

Perhaps the Wake Forest fans are as

angry as Clemson fans were. After all, they were short-changed on a handfull of calls as well. But perhaps that was because one of the refs felt that Clemson should be getting some of the breaks.

If that is the case, the Tiger victory was hollow. Clemson, like any other ACC school, even in Blue Heaven, wants only a fair shake from the officials.

And sometimes that is very hard to get. ACC officiating needs to improve, not so much in numbers, but in calling. Is that so difficult for the top basketball conference in the nation?



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# Tiger gymnasts have 'come a long way' in year

By Lynn Jarrett  
Sports Writer

The Clemson gymnastics team has made much progress from its humble beginning last winter. Even though the members aren't ready to challenge any major powers, they hosted David Lipscomb College, the NAIA national champion, in a meet recently.

Mike Mauney, one of the two Clemson coaches for the sport, felt that the meet was a success "from the standpoint that those who came were entertained, and the meet was well-organized."

Pennybaker showed his ability in a tumbling routine during the Clemson-Lipscomb meet. Another outstanding participant, and a Tiger coach, Jerry Payton, scored a 9.0 out of a possible 10 in the team's last meet.

The team has been invited to participate in the Florida Gymnastics competition, which will be held in Gainesville. Mauney stated that the team was proud to be one of only five schools invited to the tournament. However, the Tigers may not be able to represent Clemson because of their small budget.

Having a team that is "established and

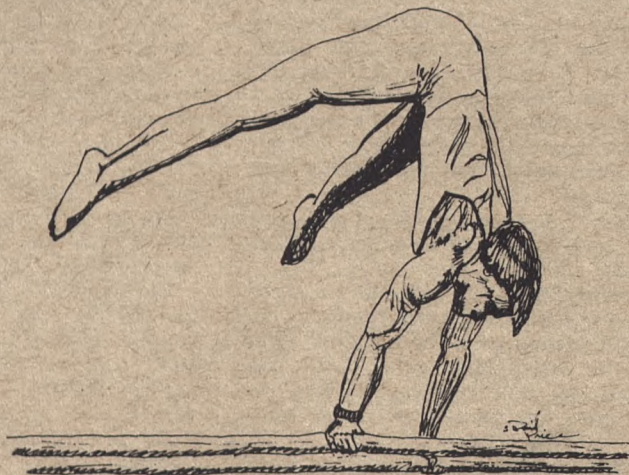
are proud to be supported," Mauney continued. "The support at the David Lipscomb meet showed the need for an expanded program."

Presently, North Carolina and Clemson are the only two men's teams representing the ACC in gymnastics.

The Tiger gymnasts will face the Citadel in their next match Feb. 17. Although both teams feel confident, Lienert is certain that Clemson will come out on top. Their

next public show will be during the halftime of the Clemson-Maryland basketball game Feb. 11.

Mauney said that anyone who might be interested in gymnastics is welcome to drop by the gym room in Fike Field House. "Most people on the team right now are beginners. I would urge anyone interested to come out and give it a try," Mauney remarked. "It's never too late to begin."



Although the Tiger gymnasts were outscored by a wide margin, Greg Lienert said, "We surpassed the goals we set for ourselves." Mauney noted that Lienert and Rick Pennybaker have made great advances this year.

backed by the athletic department and student body" is one of Mauney's goals for Clemson gymnastics. "We want to be a team," he said, "not just a club. I think we should represent Clemson in the ACC."

"We appreciate the student body, and

## Bowlers claim division title

Last weekend the Clemson bowling club hosted UNCC and the University of Tennessee. The men scored two victories bringing Clemson's record to 8-0-1, securing their third straight divisional title. In the moderately contested UNCC match, Dave Phelps continued his excellent bowling with a 997 set including a 244 game. Kenny Rowland returned to form with a 961 set, including games of 210 and 204.

The women's team also posted a win over UNCC as Betsy Becht won all of her individual matches with games of 177, 193, 186, 191, 176 for a 923 set. Also contributing to the win were Amy Graef with a 188 game and Karen Phillips with a 174.

Sunday's victory over Tennessee was a

real nail-baiter. Just as last year, the match went down to the final frames before the Tigers took the match by a narrow 26 pins. The win was a team effort, but the heroes were Kirk Vandoren and Phelps. Vandoren rolled a 1030 set with games of 227, 226, 202, and 200, while Phelps had a 978 set. Kenny Rowland added a 214 game; and Bruce Barnett rolled a 201 and more importantly, after faltering in the fourth game, bounced back to shoot a 194 in the final game. The women's team was defeated by UT despite Betsy Becht's 878 set.

This weekend the Club travels to Blacksburg, Va. for the ACU-I tournament.

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